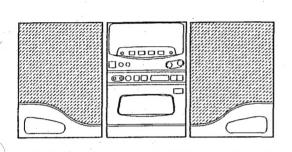
# aıwa



# LCX-50 LCX-AP1



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM: 2ZM1-R2N
- BASIC CD MECHANISM: KSM2101-BAM

- TYPE:U,LH,HE,HR,EZ,EEZ
- TYPE:Z(AP1)

SYSTEM	CD- CASSEIVER	SPEAKERS	REMOTE CONTROLLER		
LCX-50	CX-SL50	SX-SL50	RC-L60E		
LCX-AP1	CX-AP1	SX-AP1	RC-L60E		

For the portions of this Manual which do not carry the destination LCX-AP1 (Z), refer to the Service Manual of LCX-50 (EZ, EEZ).

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#### **SPECIFICATIONS**

**MAIN UNIT** 

<FM section>

Frequency range Antenna

87.5 MHZ to 108 MHz 75 ohms (unbalanced)

<AM/MW section>

Frequency range

531 (530) kHz to 1602 (1710) kHz

(9 kHz/10 kHz step)

Antenna

Loop antenna

<SW section>(HE model)

Frequency range

SW1: 3.2 MHz to 7.3 MHz

SW2: 9.5 MHz to 21.85 MHz

Antenna

Wire antenna

<LW section>(EEZ, EZ, AP1Z models)

Frequency range

144 kHz to 290 kHz

Antenna

Loop antenna

<Amplifier section>

**Power output** 

EEZ, EZ, U, LH, AP1Z: 7 W + 7 W

(6 ohms, T.H.D. 1 % 1 kHz)

U: FTC RULE

7 watts per channel Min.

RMS at 6 ohms, from 65 Hz to 15 kHz.

with no more than 1% Total Harmonic

Distortion

HE, HR: 10 W + 10 W (6 ohms, T.H.D. 10 % 1 kHz)

<Cassette deck section>

Track format

4 tracks, 2 channels stereo CrO2 tape: 50-16000 Hz

Normal tape: 50-15000 Hz

Frequency response Signal-to-noise ratio

50 dB

Head

Recording/playback head × 1

Erasure head × 1

<CD player section>

Disc

Compact disc

Scanning method Non contact optical scanner

(semiconductor laser application)

Laser

Semiconductor laser (\(\lambda = 780 \) nm)

No. of channels

2 channels

D-A conversion

1-bit linear

SPEAKER SYSTEM

(These values are for one speaker)

Cabinet type

1 way, bass reflex (Magnetism sealed

type)

Speaker

100 mm (4 in.) cone type wide range

6 ohms

Impedance Output sound pressure level

87 dB/W/m

Dimensions(W  $\times$  H  $\times$  D)150  $\times$  230  $\times$  210 mm

 $(6 \times 91/8 \times 83/8 \text{ in.})$ 

Weight

2.0 kg (4 lbs. 7oz.)

**GENERAL** 

**Power requirements** EEZ, EZ, AP1Z: AC 230 V, 50 Hz

K: AC 230-240 V, 50 Hz

U: AC 120 V, 60 Hz

HE, HR, LH: AC 120 V/220-240 V

50/60 Hz

**Power consumption** EEZ, EZ, AP1Z: 60 W

U:36 W

HE, HR, LH: 45 W

Dimensions(W × H × D)Center unit:

140 × 235.5 × 283.6 mm  $(55/8 \times 93/8 \times 111/4 \text{ in.})$ 

System:

440 × 235.5 × 283.6 mm  $(173/8 \times 93/8 \times 111/4 \text{ in.})$ 

Weight

Center unit: 3.2 kg (7 lbs. 1 oz.)

System: 7.2 kg (15 lbs. 14 oz.)

• Design and specifications are subject to change without notice.

# PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK..



Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.

Advarsel: Usynlig laserståling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

#### VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER

The CLASS 1 LASER PRODUCT label is located on the rear exterior.

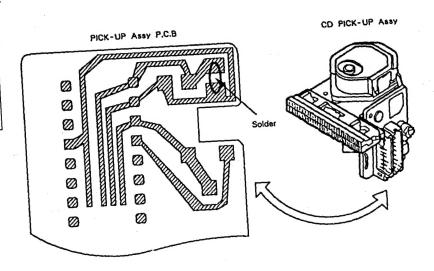
LASER PRODUCT KLASSE 1 LASER PRODUKT LUOKAN 1 LASER LAITE LASER APPARAT KLASS 1

# Precaution to replace Optical block

(KSS - 210B)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure to ground body and workbench, and use care the clothes do not touch the diode.

After the connection, remove the solder shown in the right figure.



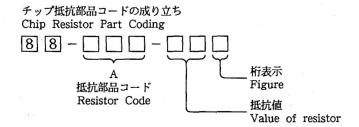
### **ELECTRICAL MAIN PARTS LIST**

DESCR	IPTIONで判断で	できない物は"REFERENCE」	NAME LIST" &	:参照してくだる	Z / 1 0	REF NO.		ンリ DESCRIPTION O.	REF NO.	N	ンリ DESCRIPTION 0.
EF NO.	PART NO. カ	ription please kindly refer to "REI" ンリ DESCRIPTION 0.	REF NO.	PART NO. カン		C255 C256 C258 C265 C266	87-010-405-089 87-010-405-089 87-010-197-089 87-010-185-089 87-010-185-089	CAP, E 10-50 SME CAP, E 10-50 SME C-CAP, S 0.01-25 B C-CAP, S 3900P-50 B C-CAP, S 3900P-50 B	C509 C510 C515 C515 C516	87-010-263-089 87-010-263-089 87-010-263-089 87-010-384-089 87-010-387-089	CAP, E 100-10 SME 5X11 CAP, E 100-10 SME 5X11 CAP, E 100-10 SME 5X11 <except u=""> CAP, E 100-25 SME<u> CAP, E 470-25 SME</u></except>
С	87-017-745-019 87-020-454-010 87-070-066-010 87-017-586-019 87-017-910-019	IC, CXA1782B0 IC, DM6851 IC, UPD78043GF-101 IC, CXD25180	• • • • • • • • • • • • • • • • • • • •	87-027-702-089 87-027-417-089 87-001-783-089 87-027-332-089 87-001-290-089	ZENER, HZ6C2L ZENER, HZ11A1L D10DE 1N4002-T <he, hr=""> ZENER, HZ6B1L<he> ZENER, HZ6B1L<he> ZENER, HZ6B1L&lt;</he></he></he,>	C267 C268 C280 C281 C282	87-010-195-089 87-010-195-089 87-010-263-089 87-010-318-089 87-010-318-089	C-CAP, S 0.068-25 F C-CAP, S 0.068-25 F CAP, E 100-10 SME 5X11 C-CAP, S 47P-50 CH <eez, ap1z="" ez,=""> C-CAP, S 47P-50 CH<eez, ap1z="" ez,=""></eez,></eez,>	C517 C518 C521 C522 C523	87-010-382-089 87-010-405-089 87-010-402-089 87-010-402-089 87-010-405-089	CAP.E 22-25 SME CAP.E 10-50 SME CAP.E 2.2-50 SME CAP.E 2.2-50 SME CAP.E 10-50 SME
	87-017-910-019 87-017-486-089 87-002-901-089 87-017-585-089 87-017-698-080 87-027-539-019	RCR UNIT, SPS-424-1 IC, BA6397FP IC, BU4094 BF IC, NJM4580E IC, M65843FP <he, hr=""></he,>	MAIN C.B	87–027–393–089 87–027–606–089 87–017–092–089	ZENER, HZ4C2 ZENER, HZ7C2L ZENER, HZS5C2 <he></he>	C283 C284 C287 C289 C290	87-010-197-089 87-010-405-089 87-010-196-089 87-010-318-089 87-010-318-089	C-CAP, S 0.01-25 B <eez, ap1z="" ez,=""> CAP, E 10-50 SME C-CAP, S 0.1-25 F C-CAP, S 47P-50 CH<eez, ap1z="" ez,=""> C-CAP, S 47P-50 CH<eez, ap1z="" ez,=""></eez,></eez,></eez,>	C524 C525 C526 C529 C530	87-010-405-089 87-010-404-089 87-010-404-089 87-010-405-089 87-010-405-089	CAP,E 10-50 SME CAP,E 4.7-50 SME CAP,E 4.7-50 SME CAP,E 10-50 SME CAP,E 10-50 SME
	87-027-539-019 87-001-440-019 87-017-915-089 87-002-247-019 87-017-673-019 87-017-564-019	IC, LA3161  IC, BA15218N IC, BU4094BCF <lh, he,="" hr,="" u=""> IC, BU4052B IC, BA3837 IC, LC7533</lh,>	C101 8 C102 8 C103 8	87-030-105-010 87-010-196-089 87-010-196-089 87-010-196-089 87-010-196-089	FLTR, BPMB6A <eez, ap1z="" ez,=""> C-CAP, S 0.1-25 F C-CAP, S 0.1-25 F C-CAP, S 0.1-25 F C-CAP, S 0.1-25 F</eez,>	C293 C294 C295 C297 C298	87-010-169-089 87-010-405-089 87-010-405-089 87-010-186-089 87-010-186-089	C-CAP, S 180P-50 SL CAP, E 10-50 SME CAP, E 10-50 SME C-CAP, S 4700P-50 B C-CAP, S 4700P-50 B	C531 C532 C535 C536 C537	87-010-405-089 87-010-405-089 87-010-317-089 87-010-317-089 87-012-365-089	CAP, E 10-50 SME CAP, E 10-50 SME C-CAP, S 39P-50 CH <lh, he,="" u=""> C-CAP, S 39P-50 CH<lh, he,="" u=""> C-CAP, S 0.027-25V BK<eez, ap1<="" ez,="" td=""></eez,></lh,></lh,>
	87-017-909-019 87-001-607-089 87-001-376-019 87-017-714-019	1C, LA4620 1C, NJM4558M 1C, LC7218 1C, LA1836	C107 8 C108 8	87-016-452-099 87-010-260-089 87-010-174-089 87-010-404-089 87-010-263-089	CAP.E 6800-25V CAP.E 47-25 SME C-CAP.S 470P-50 SL CAP.E 4.7-50 SME CAP.E 100-10 SME 5X11	C299 C303 C304 C305 C306	87-010-197-089 87-010-374-089 87-010-545-089 87-010-196-089 87-010-196-089	C-CAP,S 0.01-25 B <eez,ez,ap1z> CAP,E 47-10 CAP,E 0.22-50 SME C-CAP,S 0.1-25 F C-CAP,S 0.1-25 F</eez,ez,ap1z>	C538 C539 C541 C542 C545	87-012-365-089 87-010-197-089 87-010-313-089 87-010-166-089 87-010-166-089	C-CAP, \$ 0.027-25V BK <eez, ap1<br="" ez,="">C-CAP, \$ 0.01-25 B<eez, ap1z="" ez,=""> C-CAP, \$ 18P-50 CH<eez, ap1z="" ez,=""> C-CAP, \$ 100P-50 SL<eez, ap1z="" ez,=""> C-CAP, \$ 100P-50 SL<he></he></eez,></eez,></eez,></eez,>
ANSISTO	89–327–125–089 87–026–463–089 87–026–609–089 87–026–233–089 87–026–235–089	C-TR, 2SC2712GR TR, 2SA933S (RS) TR, KTA1266GR	C114 8	87-010-197-089 87-010-370-089 87-010-403-089 87-010-197-089 87-010-260-089	C-CAP,S 0.01-25 B CAP,E 330-6.3 SME CAP,E 3.3-50 SME C-CAP,S 0.01-25 B CAP,E 47-25 SME	C307 C309 C310 C311 C312	87-010-194-089 87-010-318-089 87-010-318-089 87-010-196-089 87-010-196-089	C-CAP,S 0.047-25 F C-CAP,S 47P-50 CH <eez,ez,ap1z> C-CAP,S 47P-50 CH<eez,ez,ap1z> C-CAP,S 0.1-25 F C-CAP,S 0.1-25 F</eez,ez,ap1z></eez,ez,ap1z>	C545 C546 C546 C549 C554	87-010-171-089 87-010-166-089 87-012-156-089 87-010-197-089 87-010-402-089	C-CAP, \$ 270P-50 SL <eez, ap1z="" ez,=""> C-CAP, \$ 100P-50 SL<he> C-CAP, \$ 220P-50 CH<eez, ap1z="" ez,=""> C-CAP, \$ 0.01-25 B<eez, ap1z="" ez,=""> CAP, E 2.2-50 SME</eez,></eez,></he></eez,>
		C-TR, DTA1141K C-TR, DTC114EK C-TR, 2SA1213Y C-TR, 2SC2712Y	C122 8 C125 8 C126 8 C127 8 C128 8	87-010-384-089 87-010-196-089 87-010-197-089 87-010-197-089 87-010-197-089	CAP,E 100-25 SME C-CAP,S 0.1-25 F C-CAP,S 0.01-25 B <eez,ez,ap1z> C-CAP,S 0.01-25 B<eez,ez,ap1z> C-CAP,S 0.01-25 B<eez,ez,ap1z></eez,ez,ap1z></eez,ez,ap1z></eez,ez,ap1z>	C321 C322 C401 C402 C409	87-010-805-089 87-010-805-089 87-010-401-089 87-010-401-089 87-010-184-089	C-CAP,S 1-16F <he,hr> C-CAP,S 1-16F<he,hr> CAP,E 1-50 SME CAP,E 1-50 SME C-CAP,S 3300P-50 B</he,hr></he,hr>	C556 C557 C558 C559 C701	87-010-805-089 87-010-197-089 87-010-321-089 87-010-197-089 87-010-381-089	C-CAP, S 1-16F C-CAP, S 0.01-25 B <eez, ap1z="" ez,=""> C-CAP, S 82P-50 CH<eez, ap1z="" ez,=""> C-CAP, S 0.01-25 B<eez, ap1z="" ez,=""> CAP, E 330-16 SME</eez,></eez,></eez,>
	89-112-134-089 89-327-124-089 89-113-625-089 89-109-521-089 89-413-023-089 87-026-239-089 87-026-297-089	C-TR 2SA 1362 GR(TAPG) TR, 2SA952K TR, 2SD1302S C-TR, DTC114TK C-TR, DTC144TK C-TR, DTC144TK T147	C151 8 C152 8 C153 8 C154 8 C155 8	87-010-175-089 87-010-175-089 87-010-402-089 87-010-402-089 87-010-374-089	C-CAP,S 560P-50 SL C-CAP,S 560P-50 SL CAP,E 2.2-50 SME CAP,E 2.2-50 SME CAP,E 47-10	C410 C411 C412 C413 C414	87-010-184-089 87-010-194-089 87-010-194-089 87-010-193-089 87-010-193-089	C-CAP,S 3300P-50 B C-CAP,S 0.047-25 F C-CAP,S 0.047-25 F C-CAP,S 0.033-25 F C-CAP,S 0.033-25 F	C702 C703 C704 C711 C712	87-010-404-089 87-010-197-089 87-010-197-089 87-010-263-089 87-010-196-089	CAP,E 4.7-50 SME C-CAP,S 0.01-25 B C-CAP,S 0.01-25 B CAP,E 100-10 SME 5X11 C-CAP,S 0.1-25 F
	87-026-239-089 87-026-297-089 87-026-295-089 89-333-266-089 89-213-702-019 89-112-965-089 89-333-317-089	C-TR, DTC144TK T147 C-TR, 2SC3326B TR, 2SB1370E TR, 2SA1296GR TR, 2SC3331T	C156 8 C157 8 C158 8 C161 8	87-010-374-089 87-010-193-089 87-010-193-089 87-010-178-089 87-010-178-089	CAP, E 47-10 C-CAP, S 0.033-25 F C-CAP, S 0.033-25 F C-CAP, S 1000P-50 B <eez, ap1z="" ez,=""> C-CAP, S 1000P-50 B<eez, ap1z="" ez,=""></eez,></eez,>	C415 C416 C417 C418 C419	87-010-178-089 87-010-178-089 87-010-193-089 87-010-193-089 87-010-186-089	C-CAP,S 1000P-50 B C-CAP,S 1000P-50 B C-CAP,S 0.033-25 F C-CAP,S 0.033-25 F C-CAP,S 4700P-50 B	C722 C723 C724 C725 C726	87-010-151-089 87-010-178-089 87-010-178-089 87-010-178-089 87-010-178-089	C-CAP, S 7P-50 CH C-CAP, S 1000P-50 B C-CAP, S 1000P-50 B C-CAP, S 1000P-50 B C-CAP, S 1000P-50 B
	89-333-317-089 89-332-665-089 87-026-496-089 69-320-011-089 89-111-625-089 87-026-223-089	TR, 2SC3266GR FET, 2SJ103GR TR, 2SC2001K C-TR, 2SA1162GR C-TR, DTC143TK	C163 8 C164 8 C165 8 C166 8	87-010-404-089 87-010-404-089 87-010-405-089 87-010-405-089 87-010-181-089	CAP, E 4.7-50 SME CAP, E 4.7-50 SME CAP, E 10-50 SME CAP, E 10-50 SME C-CAP, S 1800P-50 B		87-010-186-089 87-010-194-089 87-010-194-089 87-010-544-089 87-010-401-089	C-CAP,S 4700P-50 B C-CAP,S 0.047-25 F C-CAP,S 0.047-25 F CAP,E 0.1-50 <except hr=""> CAP,E 1-50 SME<hr/></except>	C727 C727 C728 C732 C750	87-010-194-089 87-010-196-089 87-010-248-089 87-010-197-089 87-010-197-089	C-CAP, S 0.047-25 F <except he=""> C-CAP, S 0.1-25 F<he> CAP, E 220-10 SME C-CAP, S 0.01-25 B C-CAP, S 0.01-25 B&lt;</he></except>
	89-111-625-089 87-026-223-089 89-332-654-089 87-026-226-089 89-502-464-089 89-318-154-089 87-026-462-089	C-TR, 2SC3265Y C-TR, DTA143EK FET, 2SK246Y TR, 2SC1815Y TR, 2SC1740S (RS) <he></he>	C168 8 C171 8 C172 8 C173 8	37-010-181-089 37-010-382-089 37-010-382-089 37-010-426-089 37-010-426-089	C-CAP,S 1800P-50 B CAP,E 22-25 SME CAP,E 22-25 SME C-CAP,S 0.012-25 B C-CAP,S 0.012-25 B	C426	87-010-544-089 87-010-401-089 87-015-241-089 87-015-241-089 87-010-544-089	CAP, E 0.1-50 <	C771 C772 C773 C774	87-010-405-089 87-010-194-089 87-010-196-089 87-010-263-089 87-010-405-089	CAP, E 10-50 SME C-CAP, S 0. 047-25 F C-CAP, S 0. 1-25 F CAP, E 100-10 SME 5X11 CAP, E 10-50 SME
	89-318-154-089 87-026-462-089 87-026-214-089 87-026-230-089 89-327-143-089 89-503-025-089 89-502-115-089	TR, DTA114YS C-TR, DTA114YK <he> C-TR, 2SC2714 (0) C-FET, 2SK302 GR C-FET, 2SK211GR<eez, ap1z="" ez,=""></eez,></he>	C175 8 C176 8 C177 8 C178 8	37-010-401-089 37-010-401-089 37-010-198-089 37-010-198-089 37-010-263-089	CAP,E 1-50 SME CAP,E 1-50 SME C-CAP,S 0.022-25 B C-CAP,S 0.022-25 B CAP,E 100-10 SME 5X11	C435 C436	87-010-263-089 87-010-401-089 87-010-401-089 87-010-401-089 87-010-370-089	CAP, E 100-10 SME 5X11 CAP, E 1-50 SME CAP, E 1-50 SME CAP, E 1-50 SME CAP, E 330-6.3 SME	C776 C777 C778 C779 C780	87-010-197-089 87-010-400-089 87-010-401-089 87-010-401-089 87-010-197-089	C-CAP, S 0.01-25 B <except he=""> CAP, E 0.47-50 SME CAP, E 1-50 SME CAP, E 1-50 SME C-CAP, S 0.01-25 B</except>
DDE	89–503–025–089 89–502–115–089 89–505–434–589 89–318–155–089	C-FET, 2SK543 (4/5) TR, 2SC1815GR <he></he>	C182 8 C183 8 C184 8	37-010-195-089 37-010-374-089 37-010-197-089	C-CAP.S 0.068-25 F CAP.E 47-10 C-CAP.S 0.01-25 B C-CAP.S 2700P-50 B C-CAP.S 2700P-50 B		87-010-167-089 87-010-167-089 87-010-378-089 87-010-428-089 87-010-428-089	C-CAP,S 120P-50 SL C-CAP,S 120P-50 SL CAP,E 10-16 SME C-CAP,S 0.015-25 B C-CAP,S 0.015-25 B	C781 C781 C782 C782 C782	87-010-401-089 87-010-405-089 87-010-401-089 87-010-405-089 87-010-184-089	CAP,E 1-50 SME <hr/> CAP,E 10-50 SME <except hr=""> CAP,E 10-50 SME<hr/> CAP,E 10-50 SME<hr/> CAP,E 10-50 SME<except hr=""> C-CAP,S 3300P-50 B</except></except>
	87-020-465-089 87-027-405-089 87-001-913-089 87-020-123-089	C-DIODE, 1SS184 DIODE, 1SS133 ZENER, RD2. 2EB ZENER UTZJ5. 6B DIODE DS446-AT (TA)	C187 8 C189 8 C190 8 C191 8	37-010-183-089 37-010-405-089	C-CAP.S 2700P-50 B CAP.E 10-50 SME C-CAP.S 0.01-25 B C-CAP.S 56P-50 CH C-CAP.S 0.047-25 F	C451 C452 C501 C502 C503	87-010-318-089 87-010-318-089 87-010-404-089 87-010-404-089 87-010-260-089	C-CAP,S 47P-50 CH <eez,ez,ap1z> C-CAP,S 47P-50 CH<eez,ez,ap1z> CAP,E 4.7-50 SME CAP,E 4.7-50 SME CAP,E 47-25 SME</eez,ez,ap1z></eez,ez,ap1z>	C788 C789 C790 C791 C792	87-010-184-089 87-010-179-089 87-010-179-089 87-010-401-089 87-010-180-089	C-CAP, S 3300P-50 B C-CAP, S 1200P-50 B C-CAP, S 1200P-50 B CAP, E 1-50 SME C-CAP, S 1500P-50 B <lh, he,="" hr,="" u=""></lh,>
	87-020-339-089 87-017-091-089 87-020-125-089 87-070-022-019	C-DIODE, 1SS226 ZENER, HZS5C1 <he, hr=""> C-DIODE, 1SS181 DIODE IN5402</he,>	C193 8 C194 8	37-010-180-089 37-010-180-089	C-CAP,S 1500P-50 B C-CAP,S 1500P-50 B C-CAP,S 0.047-25 F <lh,he,hr,u></lh,he,hr,u>	C504 C507	87-010-260-089 87-010-263-089 87-010-263-089	CAP,E 47-25 SME CAP,E 100-10 SME 5X11 CAP,E 100-10 SME 5X11	C792 C793 C793	87-010-182-089 87-010-186-089 87-010-189-089	C-CAP, \$ 2200P-50 B <eez, ap1z="" ez,=""> C-CAP, \$ 4700P-50 B<hr/> C-CAP, \$ 8200P-50 B<except hr=""></except></eez,>

REF NO.		ンリ DESCRIPTION 0.	REF NO.		ンリ DESCRIPTION	REF NO.		ンリ DESCRIPTION O.	REF NO.		ンリ DESCRIPTION
C794 C795 C796 C797 C798	87-010-260-089 87-010-194-089 87-010-403-089 87-010-405-089 87-010-196-089	CAP,E 47-25 SME C-CAP,S 0.047-25 F CAP,E 3.3-50 SME CAP,E 10-50 SME <except he=""> C-CAP,S 0.1-25 F   <pre><ch></ch></pre><pre><ch< pre=""><pre><ch></ch></pre><pre><ch></ch></pre><pre><ch></ch></pre><pre><ch></ch></pre><pre><ch></ch></pre><pre><ch></ch></pre><pre><ch></ch></pre><pre><ch></ch></pre><pre></pre><pre><ch></ch></pre><pre><ch></ch></pre><pre><ch></ch></pre><pre><ch></ch></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><pre><p< td=""><td>C976 C977 C980 C981 C983</br></td><td>87-010-400-089 87-010-405-089 87-010-197-089 87-018-134-089 87-015-691-089</td><td>CAP,E 0.47-50 SME<he> CAP,E 10-50 SME<he> C-CAP,S 0.01-25 B CAP,TC-U 0.01-16 Y CAP,E 0.1-50 7L<except he=""></except></he></he></td><td>L981 L981 R505 R506 R507</td><td>81-MX4-620-019 87-042-147-019 87-025-329-089 87-025-329-089 87-025-329-089</td><td>AM PACK 3,S<u> AM PACK 4<eez,ez,ap1z> RES,NF 2.2-1/4W RES,NF 2.2-1/4W RES,NF 2.2-1/4W</eez,ez,ap1z></u></td><td>C75 C76 C77 C78 C79</td><td>87-010-196-089 87-010-248-089 87-010-197-089 87-010-197-089 87-010-197-089</td><td>C-CAP,S 0.1-25 F CAP,E 220-10 SME C-CAP,S 0.01-25 B C-CAP,S 0.01-25 B C-CAP,S 0.01-25 B</td></p<></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></ch<></pre></except>	C976 C977 C980 	87-010-400-089 87-010-405-089 87-010-197-089 87-018-134-089 87-015-691-089	CAP,E 0.47-50 SME <he> CAP,E 10-50 SME<he> C-CAP,S 0.01-25 B CAP,TC-U 0.01-16 Y CAP,E 0.1-50 7L<except he=""></except></he></he>	L981 L981 R505 R506 R507	81-MX4-620-019 87-042-147-019 87-025-329-089 87-025-329-089 87-025-329-089	AM PACK 3,S <u> AM PACK 4<eez,ez,ap1z> RES,NF 2.2-1/4W RES,NF 2.2-1/4W RES,NF 2.2-1/4W</eez,ez,ap1z></u>	C75 C76 C77 C78 C79	87-010-196-089 87-010-248-089 87-010-197-089 87-010-197-089 87-010-197-089	C-CAP,S 0.1-25 F CAP,E 220-10 SME C-CAP,S 0.01-25 B C-CAP,S 0.01-25 B C-CAP,S 0.01-25 B
C802 C802 C804 C805 C805	87-010-154-089 87-010-311-089 87-010-151-089 87-010-147-089 87-010-150-089	C-CAP, S 10P-50 CH <lh, he,="" hr,="" u=""> C-CAP, S 12P-50 CH<eez, ap1z="" ez,=""> C-CAP, S 7P-50 CH<lh, he,="" hr,="" u=""> C-CAP, S 3P-50 CH<eez, ap1z="" ez,=""> C-CAP, S 6P-50 CH<lh, he,="" hr,="" u=""></lh,></eez,></lh,></eez,></lh,>	C984 C987 C988 C989 C990	87-010-196-089 87-010-197-089 87-015-831-089 87-018-134-089 87-010-197-089	C-CAP, S 0.1-25 F <except he=""> C-CAP, S 0.01-25 B<lh, hr,="" u=""> C-CAP, 0.1-25 F CAP, TC-U 0.01-16 Y C-CAP, S 0.01-25 B<except he=""></except></lh,></except>	SFR722	87-025-329-089 2 87-024-171-089 2 87-024-651-089 4 87-024-173-089 87-011-221-089	RES, NF 2.2-1/4W SFR 4.7K DIA6 V <lh, hr,="" u=""> SFR 6.8K DIA6 V<he, ap1z="" eez,="" ez,=""> SFR 22K DIA6 V CAP TRIMER 30P VCT51</he,></lh,>	C80 C81 C101 C102 C103	87-010-263-089 87-010-405-089 87-012-153-089 87-010-321-089 87-010-321-089	CAP,E 100-10 SME 5X11 CAP,E 10-50 SME C-CAP,S 120P-50 CH C-CAP,S 82P-50 CH C-CAP,S 82P-50 CH
C806 C806 C807 C807 C808	87-010-145-089 87-010-148-089 87-010-154-089 87-010-313-089 87-010-166-089	C-CAP, S 1P-50 CH <he> C-CAP, S 4P-50 CH<eez, ap1z="" ez,=""> C-CAP, S 10P-50 CH<lh, he,="" hr,="" u=""> C-CAP, S 18P-50 CH<eez, ap1z="" ez,=""> C-CAP, S 10P-50 SL</eez,></lh,></eez,></he>	C991 C992 C993 C995 C996	87-018-131-080 87-010-196-089 87-018-209-089 87-010-197-089 87-010-197-089	CAP, TC-U 1000P-50 B <eez, ap1z="" ez,=""> C-CAP, S 0.1-25 F<he> CAP, TC-U 0.1-50 F<he> C-CAP, S 0.01-25 B<he> C-CAP, S 0.01-25 B<he></he></he></he></he></eez,>	TC801 TC802 TC803 TC941 TC951	87-011-219-089 87-011-219-089 87-011-219-089 87-011-221-089 87-011-220-089	CAP TRIMMER 10P VCT CAP TRIMMER 10P VCT CAP TRIMMER 10P VCT <eez, ap1z="" ez,=""> CAP TRIMMER 30P VCT<eez, ap1z="" ez,=""> CAP TRIMMER 20P VCT<he></he></eez,></eez,>	C104 C105 C106 C107 C108	87-012-153-089 87-012-153-089 87-010-402-089 87-010-263-089 87-010-186-089	C-CAP, S 120P-50 CH C-CAP, S 120P-50 CH CAP, E 2.2-50 SME CAP, E 100-10 SME 5X11 C-CAP, S 4700P-50 B
C809 C810 C811 C812 C812	87-010-197-089 87-010-197-089 87-010-149-089 87-010-312-089 87-010-313-089	C-CAP,S 0.01-25 B C-CAP,S 0.01-25 B C-CAP,S 5P-50 CH C-CAP,S 15P-50 CH <except he=""> C-CAP,S 18P-50 CH<he></he></except>	C997 C997 C998 C999 CF801	87-010-184-089 87-018-209-089 87-010-184-089 87-010-318-089 87-008-423-019	C-CAP,S 3300P-50 B <except he=""> CAP,TC-U 0.1-50 F<he> C-CAP,S 3300P-50 B C-CAP,S 47P-50 CH<eez,ez,ap1z> CF,SFE10.7MS3GH-A<eez,ez,ap1z></eez,ez,ap1z></eez,ez,ap1z></he></except>	TC952 TC953 X703 X704 X721	87-011-221-089 87-011-221-089 84-508-618-019 87-030-354-019 87-030-372-019	CAP TRIMER 30P VCT51 <he> CAP TRIMER 30P VCT51<he> VIB, CER CSB 456 F/5 VIB, CF BFU450C<he> VIB, XTAL 7.2MHZ</he></he></he>	C109 C110 C111 C112 C113	87-010-221-089 87-012-153-089 87-010-321-089 87-010-321-089 87-012-153-089	CAP,E 470-10 C-CAP,S 120P-50 CH C-CAP,S 82P-50 CH C-CAP,S 82P-50 CH C-CAP,S 120P-50 CH
C813 C814 C816 C817 C818	87-010-197-089 87-010-197-089 87-010-197-089 87-010-197-089 87-010-197-089	C-CAP, S 0.01-25 B <he, ap1z="" eez,="" ez,=""> C-CAP, S 0.01-25 B C-CAP, S 0.01-25 B<c-cap, 0.01-25="" b<br="" s="">C-CAP, S 0.01-25 B</c-cap,></he,>	CF801 CF802 CF802 D801 D802	87-008-261-019 82-785-747-019 87-008-261-019 87-002-730-089 87-002-730-089	FLTR, SFE10. 7MA5-A <lh, he,="" hr,="" u=""> CF, MS2 GHY, R<eez, ap1z="" ez,=""> FLTR, SFE10. 7MA5-A<lh, he,="" hr,="" u=""> VAR1-CAP SVC203SPA VAR1-CAP SVC203SPA</lh,></eez,></lh,>	CD C. B C1 C2 C3	87-010-178-089 87-010-263-089 87-010-265-089	C-CAP, S 1000P-50 B CAP, E 100-10 SME 5X11 CAP, E 33-16 SME	C114 C115 C116 C117 FC3	87-012-153-089 87-010-402-089 87-010-186-089 87-010-213-089 84-CE5-634-019	C-CAP,S 120P-50 CH CAP,E 2.2-50 SME C-CAP,S 4700P-50 B C-CAP,S 0.015-25 B FLAT CABLE, 2P DOOR
C819 C820 C821 C822	87-010-197-089 87-010-260-089 87-010-197-089 87-010-197-089	C-CAP, S 0.01-25 B CAP, E 47-25 SME C-CAP, S 0.01-25 B C-CAP, S 0.01-25 B <lh, hr,="" u=""></lh,>	D803 D804 D958 FC1 FC2	87-002-730-089 87-002-730-089 87-017-568-089 84-CE5-643-019 84-CE5-632-019	VARI-CAP SVC203SPA VARI-CAP SVC203SPA <eez,ez,ap1z> VARI-CAP,SVC 342 M/L<he> FLAT CABLE, 6P AFCD FLAT CABLE, 2P PT<except u=""></except></he></eez,ez,ap1z>	C6 C7 C10 C11	87-010-198-089 87-010-196-089 87-010-182-089 87-010-196-089	C-CAP, S 0.022-25 B C-CAP, S 0.1-25 F C-CAP, S 2200P-50 B C-CAP, S 0.1-25 F	L1 SFR1 SFR2 SFR3 X1	87-003-102-089 87-024-176-089 87-024-175-089 87-024-176-089 87-030-221-089	COIL,10UH SFR,100K DIA6 V SFR,47K DIA6 V SFR,100K DIA6 V CERALOCK 16.93MHZ
C822 C823	87-015-819-089 87-010-197-089	CHIP CAP 0.01 <he> C-CAP,S 0.01-25 B</he>	FC2 J101	84-CE5-644-019 87-099-608-019 87-099-625-019	FLAT CABLE, 3P PT U <u> JACK, DC HEC3800</u>	C14 C16 C17	87-010-404-089 87-010-197-089 87-010-263-089	CAP, E 4.7-50 SME C-CAP, S 0.01-25 B CAP, E 100-10 SME 5X11	DISPLAY		OLI PLEOUR TO SOM IL
C827 C830 C831 C832	87-010-145-089 87-010-197-089 87-010-154-089 87-010-314-089	C-CAP,S 1P-50 CH <except he=""> C-CAP,S 0.01-25 B C-CAP,S 10P-50 CH C-CAP,S 22P-50 CH<eez,ez,ap1z></eez,ez,ap1z></except>	J201 J501 J501 J501	87-033-226-019 87-033-227-019 87-033-237-019 87-009-549-019	JACK PIN 4P, RVS (KM) TERMINAL, SP 4P R <u> TERMINAL, SP 4P R(Z) &lt; EEZ, EZ, AP1Z&gt; TERMINAL, SPKR<lh, he,="" hr=""></lh,></u>	C18 C19 C20 C21	87-010-197-089 87-010-403-089 87-010-382-089 87-010-263-089	C-CAP,S 0.01-25 B CAP,E 3.3-50 SME CAP,E 22-25 SME CAP,E 100-10 SME 5X11	C1 C2 C3 C4	87-010-263-049 87-010-194-089 87-010-264-049 87-010-401-049	CAP,E 100-10 C-CAP,S 0.047-25 F CAP,E 100-10 5L CAP,E 1-50 SME
C834 C835 C836 C837	87-010-154-089 87-010-154-089 87-010-312-089 87-010-312-089	C-CAP,S 10P-50 CH <eez,ez,ap1z> C-CAP,S 10P-50 CH C-CAP,S 15P-50 CH C-CAP,S 15P-50 CH</eez,ez,ap1z>	J502 J503 J801 J801	87-009-549-019 87-009-216-019 87-033-235-019 87-033-230-019	6-019 JACK, DIA 3.5 STS 5-019 TERMINAL, ANT (H) <lh, he,="" hr,="" u=""></lh,>	C22 C23 C24	87-010-197-089 87-010-193-089 87-010-197-089	C-CAP, S 0.01-25 B C-CAP, S 0.033-25 F C-CAP, S 0.01-25 B	C5 C6 C7	87-010-074-049 87-010-264-049 87-010-281-049	CAP.E 4.7-35 5L CAP.E 100-10 5L CAP.E 22-35 5L
C840 C843	87-010-197-089 87-010-146-089	C-CAP.S 0.01-25 B C-CAP.S 2P-50 CH	J950 L151	81-754-629-019 87-007-300-019	CONNECTOR XH M 2P (UL) <he></he>	C25 C28 C29	87-010-197-089 87-010-193-089 87-010-196-089 87-010-263-089	C-CAP, S 0.033-25 F C-CAP, S 0.1-25 F CAP, E 100-10 SME 5X11	C8 C9 C10	87-010-281-049 87-010-263-049 87-010-544-049 87-010-405-049	CAP,E 100-10 CAP,E 0.1-50 SME CAP,E 10-50 SME
C851 C941 C942 C944	87-010-197-089 87-010-197-089 87-010-311-089 87-010-196-089	C-CAP,S 0.01-25 B <except he=""> C-CAP,S 0.01-25 B<eez,ez,ap1z> C-CAP,S 12P-50 CH<eez,ez,ap1z> C-CAP,S 0.1-25 F<he></he></eez,ez,ap1z></eez,ez,ap1z></except>	L501 L502 L503	87-005-366-019 87-005-366-019 87-005-366-019	COIL, 1UH <eez, ap1z="" ez,=""> COIL, 1UH<eez, ap1z="" ez,=""> COIL, 1UH<eez, ap1z="" ez,=""></eez,></eez,></eez,>	C31 C32	87-010-180-089 87-010-263-089	C-CAP,S 0.047-25 F C-CAP,S 1500P-50 B CAP,E 100-10 SME 5X11	C11 C12 C14	87-010-197-089	C-CAP \$ 0.47-10FZ C-CAP,\$ 1200P-50 B C-CAP,\$ 0.01-25 B
C944 C944 C945	87-010-154-089 87-010-311-089 87-014-050-089	C-CAP, S 10P-50 CH <eez, ap1z="" ez,=""> C-CAP, S 12P-50 CH<lh, hr,="" u=""> CAP, PP 510P-100 J<eez, ap1z="" ez,=""></eez,></lh,></eez,>	£504 £505 £711 £741	87-005-366-019 87-005-366-019 87-003-098-089 87-006-259-019	COIL, 1UH <eez, ap1z="" ez,=""> COIL, 1UH<eez, ap1z="" ez,=""> COIL, 2. 2UH<he> COIL, FM DET</he></eez,></eez,>	C33 C34	87-010-197-089 87-012-156-089 87-010-197-089	C-CAP,S 0.01-25 B C-CAP,S 220P-50 CH C-CAP,S 0.01-25 B	C15 C16 C17	87-010-197-089 87-010-193-089 87-010-193-089	C-CAP, S 0.01-25 B C-CAP, S 0.033-25 F C-CAP, S 0.033-25 F
C946 C947 C948	87-010-401-089 87-010-197-089 87-010-401-089	CAP, E 1-50 SME C-CAP, S 0.01-25 B <except he=""></except>	L742 L742 L770	81-631-612-019 82-NT1-659-019 87-003-102-089	CFMT 450A <he> FLTR, CFAZ-450 2NT<except he=""> COIL, 10UH<except he=""></except></except></he>	C36 C37 C38 C39	87-010-400-089 87-010-197-089 87-010-312-089 87-010-312-089	CAP, E 0.47-50 SME C-CAP, S 0.01-25 B C-CAP, S 15P-50 CH C-CAP, S 15P-50 CH	C18 C20 C21 C22	87-010-193-089 87-010-074-049 87-010-196-089 87-010-178-089	C-CAP,S 0.033-25 F CAP,E 4.7-35 5L C-CAP,S 0.1-25 F C-CAP,S 1000P-50 B
C949 C950 C951 C952	87-010-196-089 87-010-166-089 87-010-197-089 87-010-197-089	C-CAP,S 0.1-25 F <eez,ez,ap1z> C-CAP,S 100P-50 SL<except he=""> C-CAP,S 0.01-25 B C-CAP,S 0.01-25 B</except></eez,ez,ap1z>	L771 L801 L802	87-003-098-089 87-006-263-019 87-006-265-019	COIL, 2.2UH <lh, he,="" hr,="" u=""> COIL, ANTFM 3/4TS, L4 COIL, ANT FM2-3/4 TS</lh,>	C41 C43 C44	87-012-140-089 87-012-140-089 87-010-318-089	C-CAP,S 470P-50 CH C-CAP,S 470P-50 CH	C23 C24 C27	87-010-196-089 87-010-196-089 87-010-197-089	C-CAP, S 0. 1-25 F C-CAP, S 0. 1-25 F C-CAP, S 0. 01-25 B
C953 C954	87-010-197-089 87-010-263-089	C-CAP,S 0.01-25 B CAP,E 100-10 SME 5X11 <he></he>	L803 L804 L805	87-006-262-019 87-006-264-019 87-003-098-089 87-006-257-019 87-006-258-019	COIL, RF FM3-1/2T, L4 COIL, RF FM3-1/2TS, L4 COIL, 2.2UH	C45 C46	87-010-318-089 87-010-154-089	C-CAP,S 47P-50 CH C-CAP,S 47P-50 CH C-CAP,S 10P-50 CH	C28 FC4	87-010-197-089 84-CE5-633-019	C-CAP,S 0.01-25 B FLAT CABLE, FFC 8P DICD
C955 C956 C957	87-010-315-089 87-010-197-089 87-010-197-089	C-CAP,S 27P-50 CH <he> C-CAP,S 0.01-25 B C-CAP,S 0.01-25 B</he>	L831	87-006-257-019 87-006-258-019 87-006-264-019 87-003-098-089	COIL, FM IFT COIL, FM OSC COIL, RF FM3-1/2TS, L4 <eez, ap1z="" ez,=""></eez,>	C51 C52 C57 C58	87-010-154-089 87-010-146-089 87-010-404-089 87-010-196-089	C-CAP,S 10P-50 CH C-CAP,S 2P-50 CH CAP,E 4.7-50 SME C-CAP,S 0.1-25 F	FL1 L1 L2 L3	84-CE5-652-019 87-003-105-089 87-003-051-089 87-003-246-089	FL,10BT-148GK COIL,0.22UH COIL,470UH C-COIL,33UH
C958 C959 C961 C962	87-010-197-089 87-010-544-089 87-014-051-089 87-014-073-089	C-CAP,S 0.01-25 B CAP,E 0.1-50 <he> CAP,PP 560P-100 J<he> CAP,PP 4700P-100 J<he></he></he></he>	L832 L941 L942 L951	87-003-098-089 87-006-261-019 87-006-260-019 87-006-236-019	COIL, 2.2UH COIL, LW ANT <eez, ap1z="" ez,=""> COIL, LW OSC<eez, ap1z="" ez,=""> COIL, ANT MW(SG)<he></he></eez,></eez,>	C59 C60 C61	87-010-221-089 87-010-197-089 87-010-196-089	CAP, E 470-10 C-CAP, S 0.01-25 B C-CAP, S 0.1-25 F	L4 LED1 LED2	87-006-270-019 87-017-928-089	COIL, FL LED, L-1154PGC LED, L-1154PGC
C963 C964 C965	87-010-312-089 87-012-150-089 87-010-186-089	C-CAP, S 15P-50 CH <he> C-CAP, S 20P-50 CH<he> C-CAP, S 4700P-50 B<he></he></he></he>	L952 L953 L954	87-006-255-019 87-006-256-019	COIL, ANT SW1 (SG7) < HE>	C62 C63 C64	87-010-180-089 87-010-805-089 87-010-196-089	C-CAP, S 1500P-50 B C-CAP, S 1-16F C-CAP, S 0.1-25 F	LED3 LED4 LED5	87-017-928-089 87-017-928-089 87-017-928-089 87-017-928-089	LED, L-1154PGC LED, L-1154PGC LED, L-1154PGC
C966 C970 C971	87-010-263-089 87-010-197-089 87-010-197-089	CAP, E 100-10 SME 5X11 <he> C-CAP, S 0.01-25 B C-CAP, S 0.01-25 B</he>	L955 L956	87-005-372-089 87-005-372-089 87-007-326-019	COIL, S 1 MH TAPG <he> COIL, S 1 MH TAPG<he> COIL, OSC MW(SG)<he></he></he></he>	C65 C66 C67	87-010-197-089 87-010-221-089 87-010-196-089	C-CAP, S 0.01-25 B CAP, E 470-10 C-CAP, S 0.1-25 F	LED6 LED7 LED8	87-017-928-089 87-017-928-089 87-017-927-089	LED, L-1154PGC LED, L-1154PGC LED, L-1154PT
C972 C973	87-010-197-089 87-010-150-089	C-CAP,S 0.01-25 B C-CAP,S 6P-50 CH <he></he>	L957 L958 L981	87-007-327-019 87-007-332-019 82-NT3-632-019	COIL, OSC SW1 (SG) <he> COIL, OSC SW2 (SG7) <he> AM PACK 1, SAG<lh, hr=""></lh,></he></he>	C71 C72	87-010-197-089 87-010-221-089	C-CAP.S 0.01-25 B CAP.E 470-10	LED9 LED10	87–017–928–089 87–017–928–089	LED, L-1154PGC LED, L-1154PGC

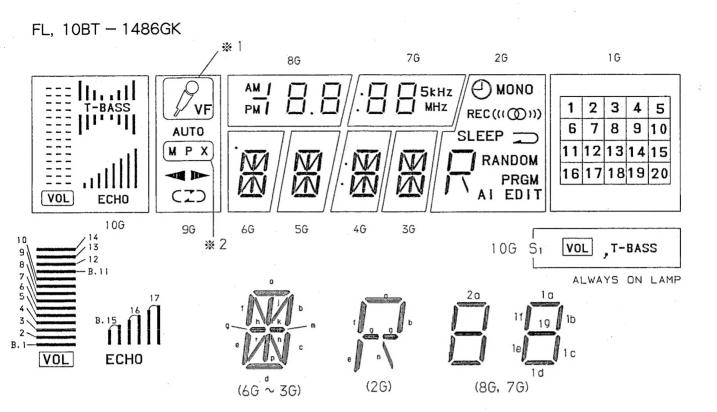
REF NO.	PART NO. カン	<b>&gt;</b> U	DESCRIPTION	REF NO.		ンリ NO.	DESCRIPTION
LED1 1 R92 R93 SW1 SW2	87-017-928-089 87-025-313-089 87-025-313-089 87-036-170-089 87-036-170-089	LED, L-1 RES 1/4W	154PGC 4.7 NFR TAPG 4.7 NFR TAPG	C1031 C1031 C1032 C1032 C1033	87-010-176-089 87-010-177-089 87-010-176-089 87-010-177-089 87-010-196-089	C-CAP,S C-CAP,S C-CAP,S C-CAP,S	680P-50 SL <hr/> 820P-50 SL <hr/> 680P-50 SL <hr/> 820P-50 SL <hr/> 0.1-25 F <he, hr=""></he,>
SW3 SW4 SW5 SW6 SW7	87-036-170-089 87-036-170-089 87-036-170-089 87-036-170-089 87-036-170-089	SW, TACT SW, TACT SW, TACT SW, TACT SW, TACT		C1034 C1035 C1051 C1052 C1100	87-010-263-049 87-010-545-049 87-010-176-089 87-010-180-089 87-010-426-089	CAP E 0. C-CAP.S C-CAP.S	00-10 <he, hr=""> 22-50 SME<he, hr=""> 680P-50 SL<he, hr=""> 1500P-50 B<he, hr=""> 0.012-25 B<lh, u=""></lh,></he,></he,></he,></he,>
SW8 SW9 SW10 SW11 SW12	87-036-170-089 87-036-170-089 87-036-170-089 87-036-170-089 87-036-170-089	SW, TACT SW, TACT SW, TACT SW, TACT SW, TACT		JKM5 L1000 RVR12	87-009-216-019 87-005-454-089 87-024-618-019	COIL, 680	\ 3.5 STS JUH FLR50 K <he,hr> RK09K111</he,hr>
SW13 SW14 SW15 SW16 SW17	87-036-170-089 87-036-170-089 87-036-170-089 87-036-170-089 87-036-170-089	SW, TACT SW, TACT SW, TACT SW, TACT SW, TACT		AF101 AF101 AF101 AF101	87-033-213-089 82-304-743-019 87-035-411-019 87-035-502-019 87-035-501-019	FUSE, 1A	
X1	87-030-233-089	VIB, CER	KBR 4.19MKS	ДРТ101 ДРТ101 ДРТ101 ДРТ101	84-CE5-623-019 84-CE5-625-019 84-CE5-622-019 84-CE5-626-019		EZ, EZ, AP1Z>
C1001 C1002 C1003 C1004 C1005	87-010-197-089 87-010-178-089 87-010-544-049 87-010-071-049 87-010-178-089	C-CAP,S CAP,E 0. CAP,E 1-		<u></u> SW101	87-031-780-019	SW, SLIDE	1-1-2 <lh, he,="" hr=""></lh,>
C1006 C1006 C1007 C1008 C1009	87-010-545-049 87-010-401-049 87-010-404-089 87-010-544-049 87-010-182-089	CAP E 0. CAP, E 1- CAP, E 4. CAP, E 0.	22-50 SME <he, hr=""> 50 SME<lh, ap1z,="" eez,="" ez,="" u=""></lh,></he,>	SFR1 SOL2 SW2 SW3 SW4	87-024-581-010 82- <b>ZM</b> 1-618-310 87-036-110-010 87-036-110-010 87-036-110-010	SOL ASSY SW, PUSH SW, PUSH SW, PUSH	SPPB 62 SPPB 62 SPPB 62
C1010 C1020 C1021	87-010-545-049 87-010-198-089 87-010-186-089	CAP E 0.: C-CAP,S C-CAP,S	22-50 SME <he,hr> 0.022-25 B<he,hr> 4700P-50 B<he,hr></he,hr></he,hr></he,hr>	SW5 SW6	87-036-110-010 87-036-110-010	SW, PUSH SW, PUSH	SPPB 62 SPPB 62
C1022 C1023	87-010-401-049 87-010-196-089		50 SME <he,hr> 0.1-25 F<he,hr></he,hr></he,hr>	RELAY C. E	84-CE5-631-019	CONN ASS	SY. 6P RPEH
C1024 C1027 C1028 C1029	87-010-408-049 87-010-195-089 87-010-182-089 87-010-198-089	C-CAP,S	-50 SME <he, hr=""> 0.068-25 F<he, hr=""> 2200P-50 B<he, hr=""> 0.022-25 B<he, hr=""></he,></he,></he,></he,>	MOTOR-1 (		55 700	
C1030	87-010-263-049		,E 100–10 <he, hr=""></he,>		9X-262-513-210 9X-262-513-210 91-564-721-110 91-572-085-110	SLED MOT SLED MOT CONNCTOR LEAF SW	OR ASSY

#### ○チップ抵抗部品コード/CHIP RESISTOR PART CODE



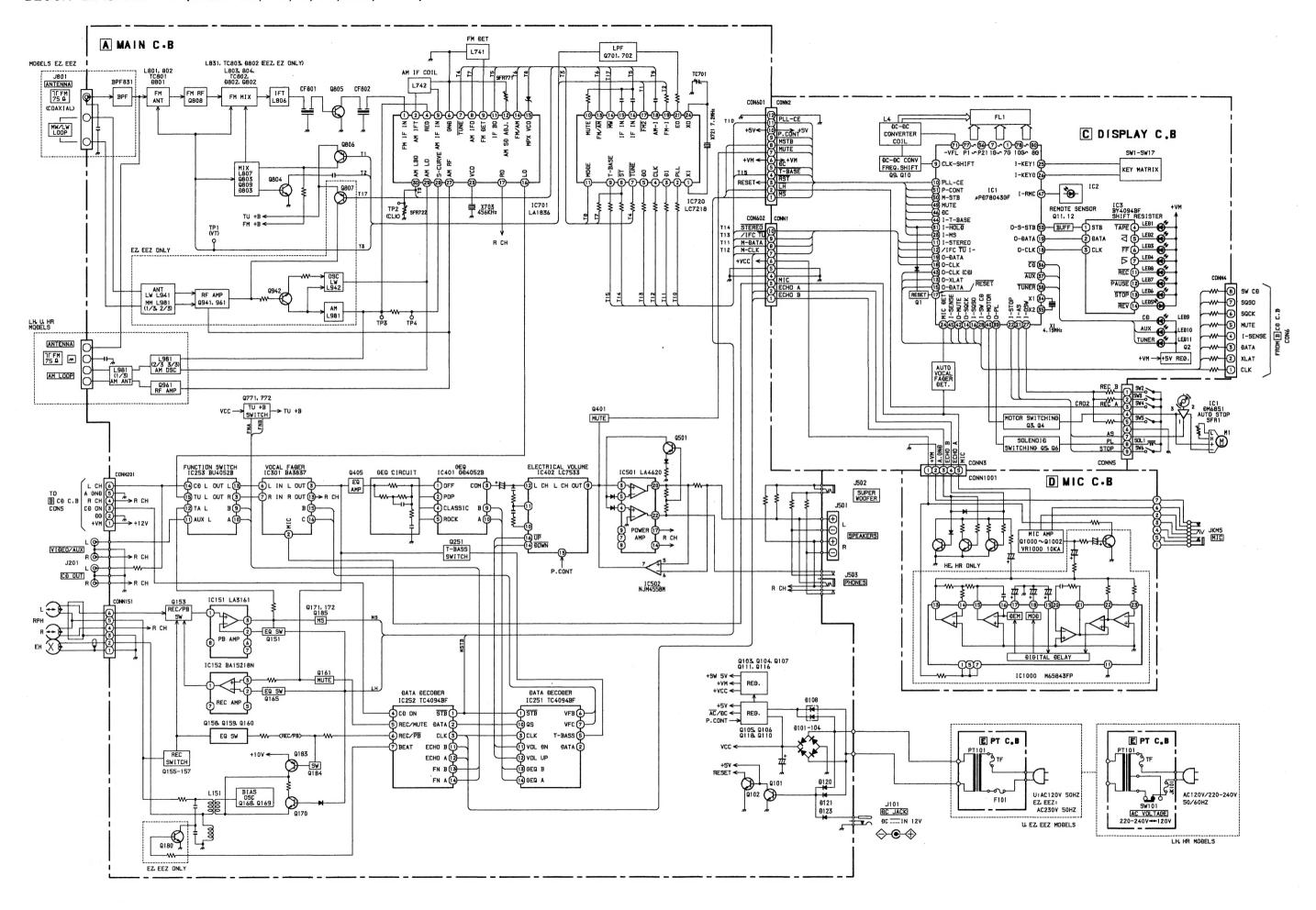
#### チップ抵抗 Chip resistor

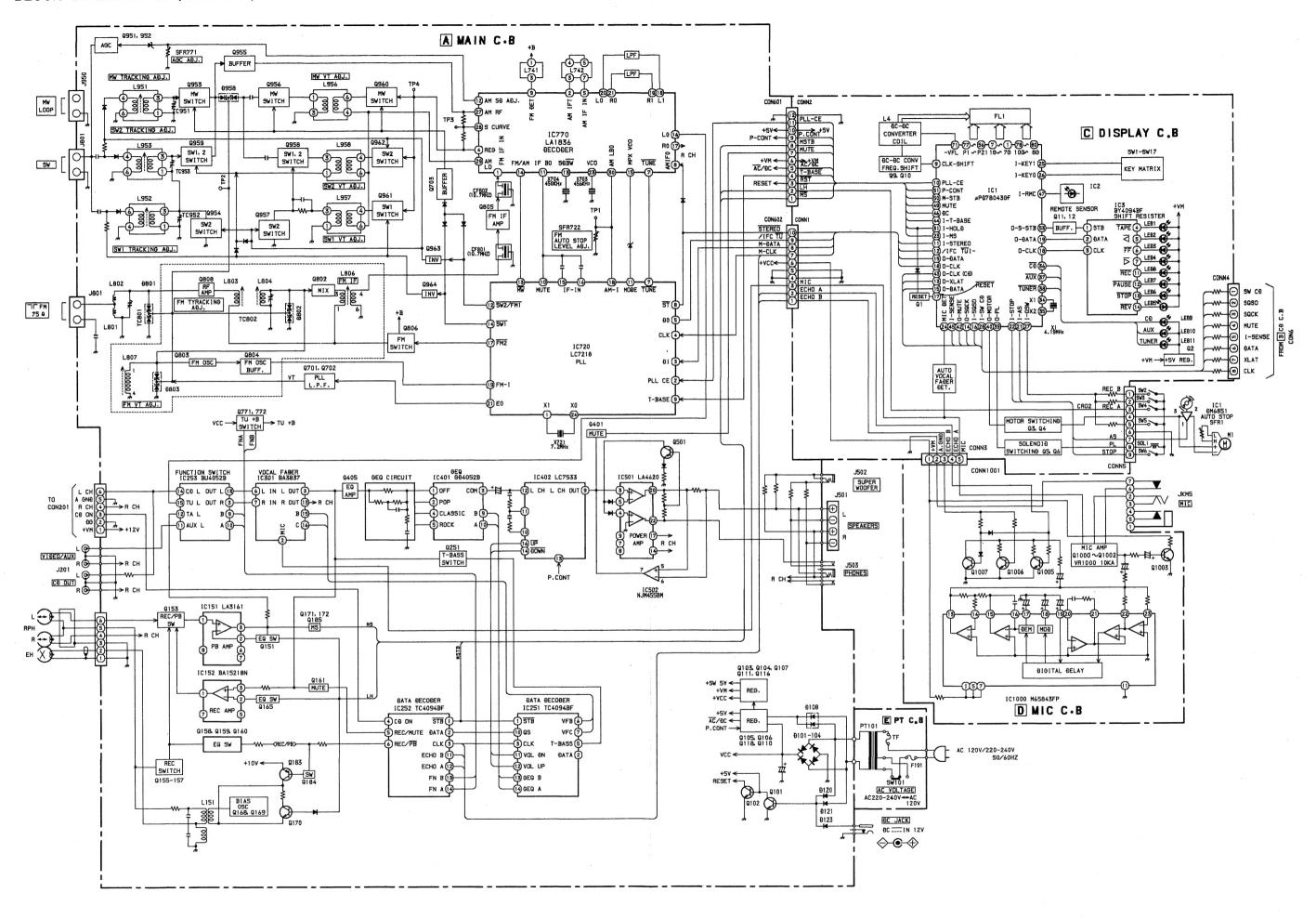
Wattage	Type	Tolerance	Symbol		<b>†法</b> (1	mm)		Resistor Code : A
容量	種類	許容誤差	記号	Form/外形	L	W	t	抵抗コード : A
1/32W	1608	±5%	CJ	<b>├</b> ─_L—> ↓	1.6	0.8	0.35	108
1/10W	2125	±5%	CJ	The t	2	1.25	1.45	118
1/8W	3126	±5%	C1	- W	3.2	1.6	0.5 ~0.7	128

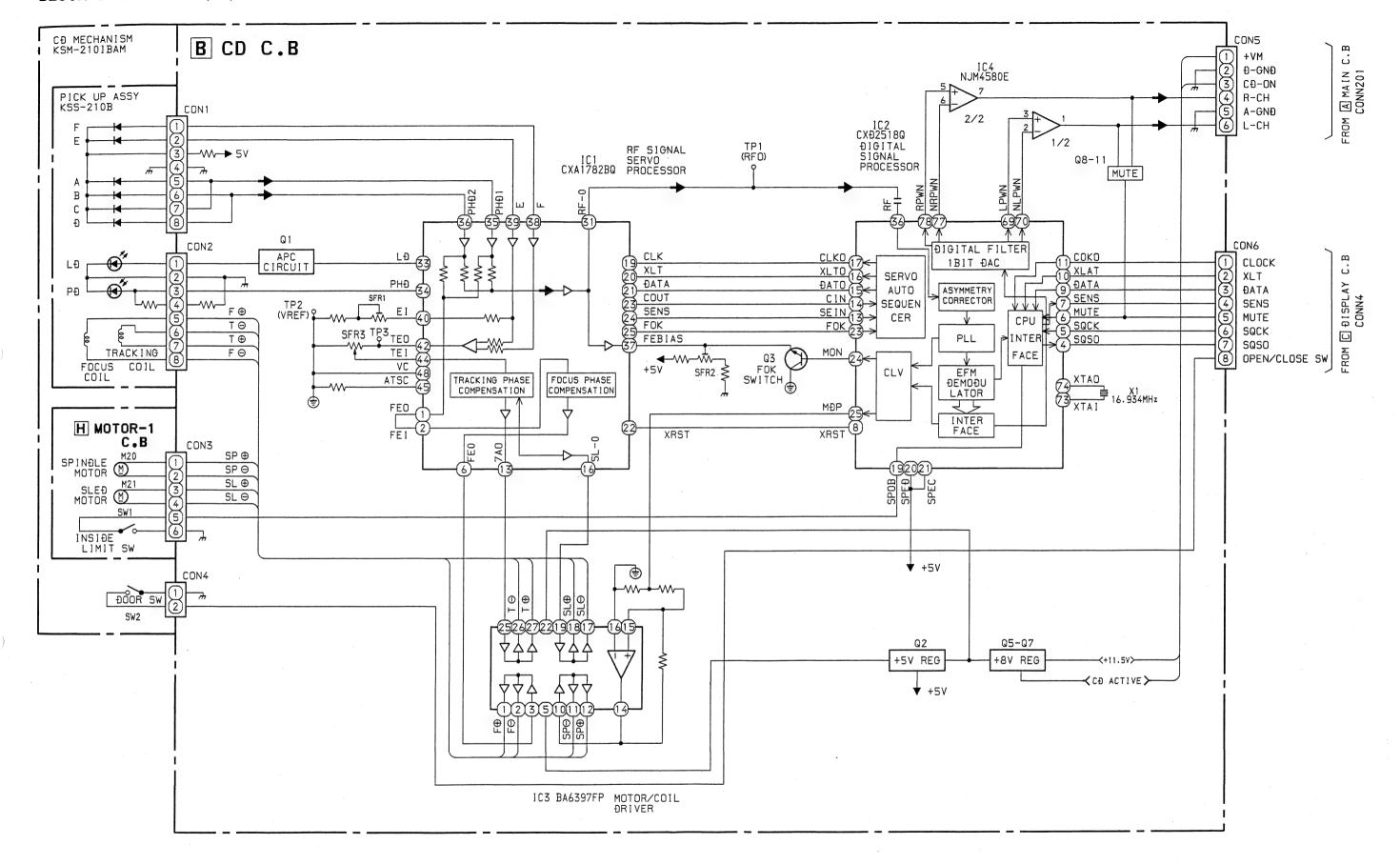


							*				
ICP	IN NO.>	78	79	80	1	2	3	4	5	6	. 7
		1 0G	96	8G	7G	60	56	4G	3G	2G	16
56	P1	BI	√9 vF	2a	2a	_		O (ĐOWN)		момо	20
57	2	B2	*.1	2 †	22	n	. n	n	. n	n	19
58	3	В3	AUTO	2C	2c	r	·r	r	r	Al	18
59	4	B4	M.P.X	2d	2d	С	С	С	С	EDIT	17
60	5	B5	*.2	1 0	10	m	m	m	m	PRGM	16
61	6	В6		1 f	11	b	b	, b	b	b	15
62	7	В7		10	10	j	j	j	j	RANDOM	14
63	8	В8	C	1 d	1 d	а	а	o	а	a	13
64	9	В9	)	2b	2b	d	d	d	d	(((@)))	12
65	10	B10		2g	2g	р	р	р	р	<b>(a)</b>	11
66	11	B11		2e	2e	е	е	е	е	е	10
67	12	B12		0	O (UP)	g	g	g	g	g	9
68	13	B13		1 b	16	f	f	f	f	f	8
69	14	B14		1 g	1g	k	k	k	k		7
70	15	B15		1 e	1 e	h	h	h	h	SLEEP	6
72	16	ECHO			O(ĐOWN)	Ðр		O (UP)		REC	5
73	17	B15		AM	KHz						4
74	18	B16		PM	MHz						3
75	19	B17		0	5						2
76	20	lical)									1
77	21	S1	I								1
											/
											/

ALWAYS, ON LAMP

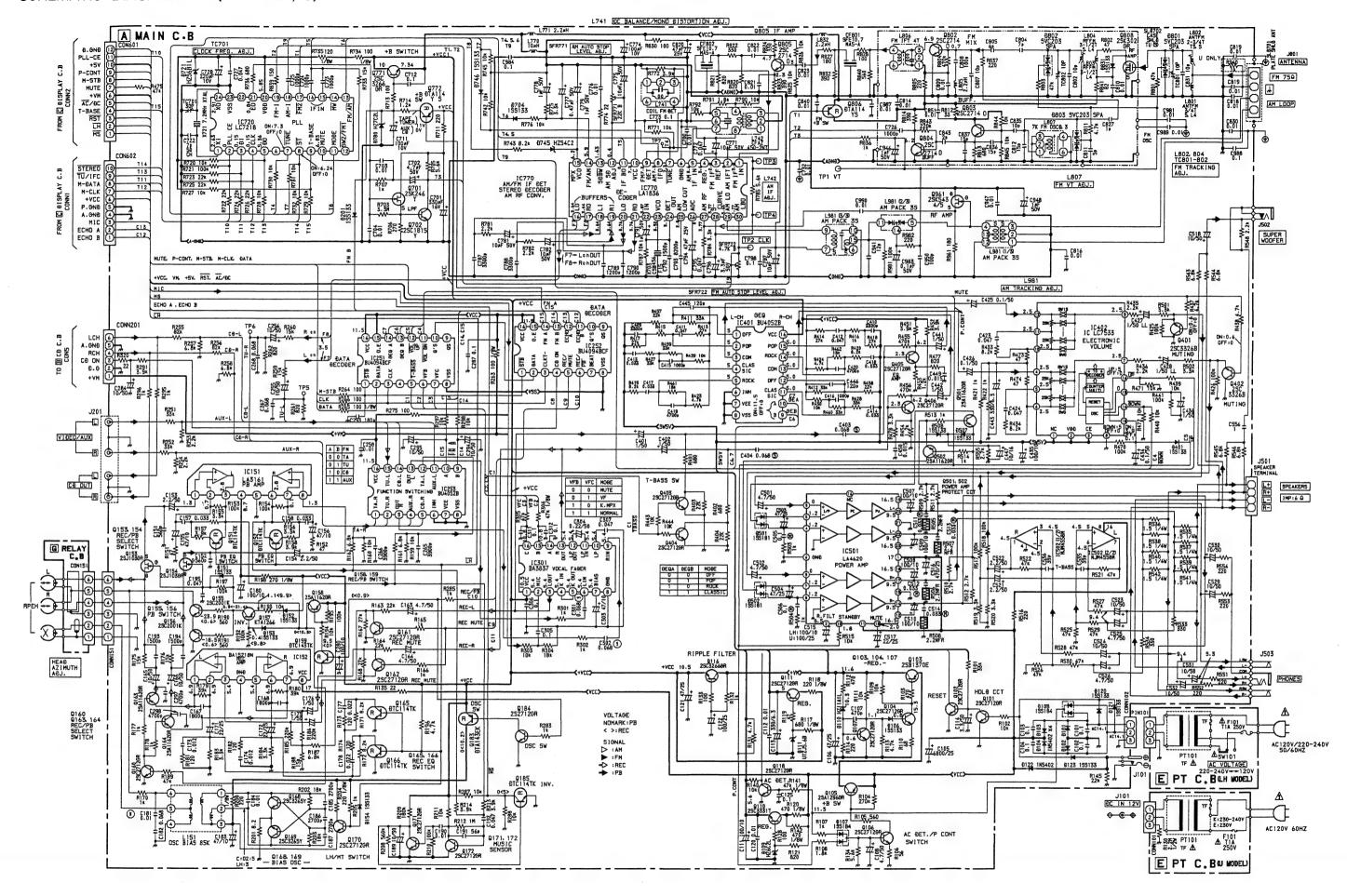


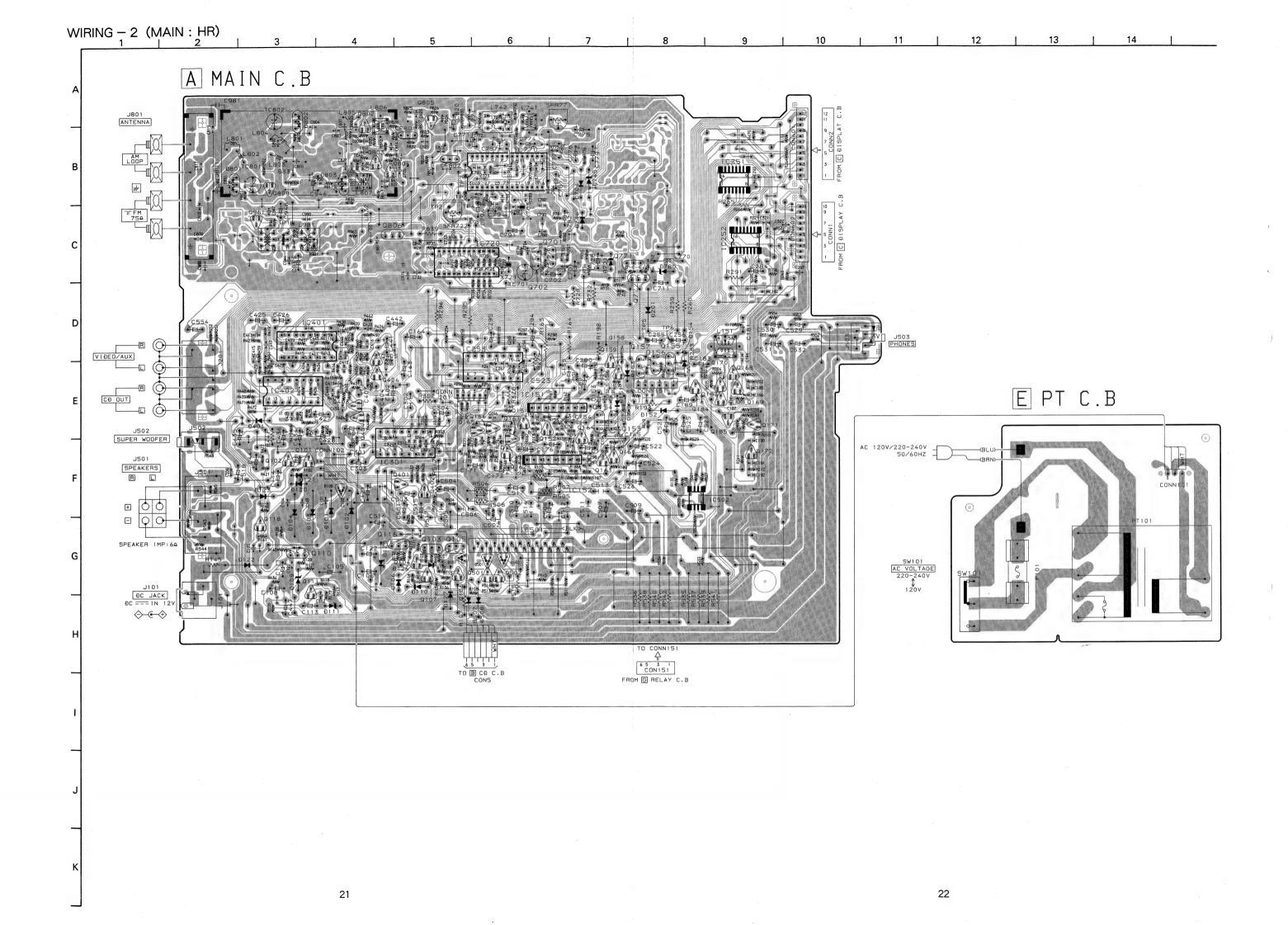


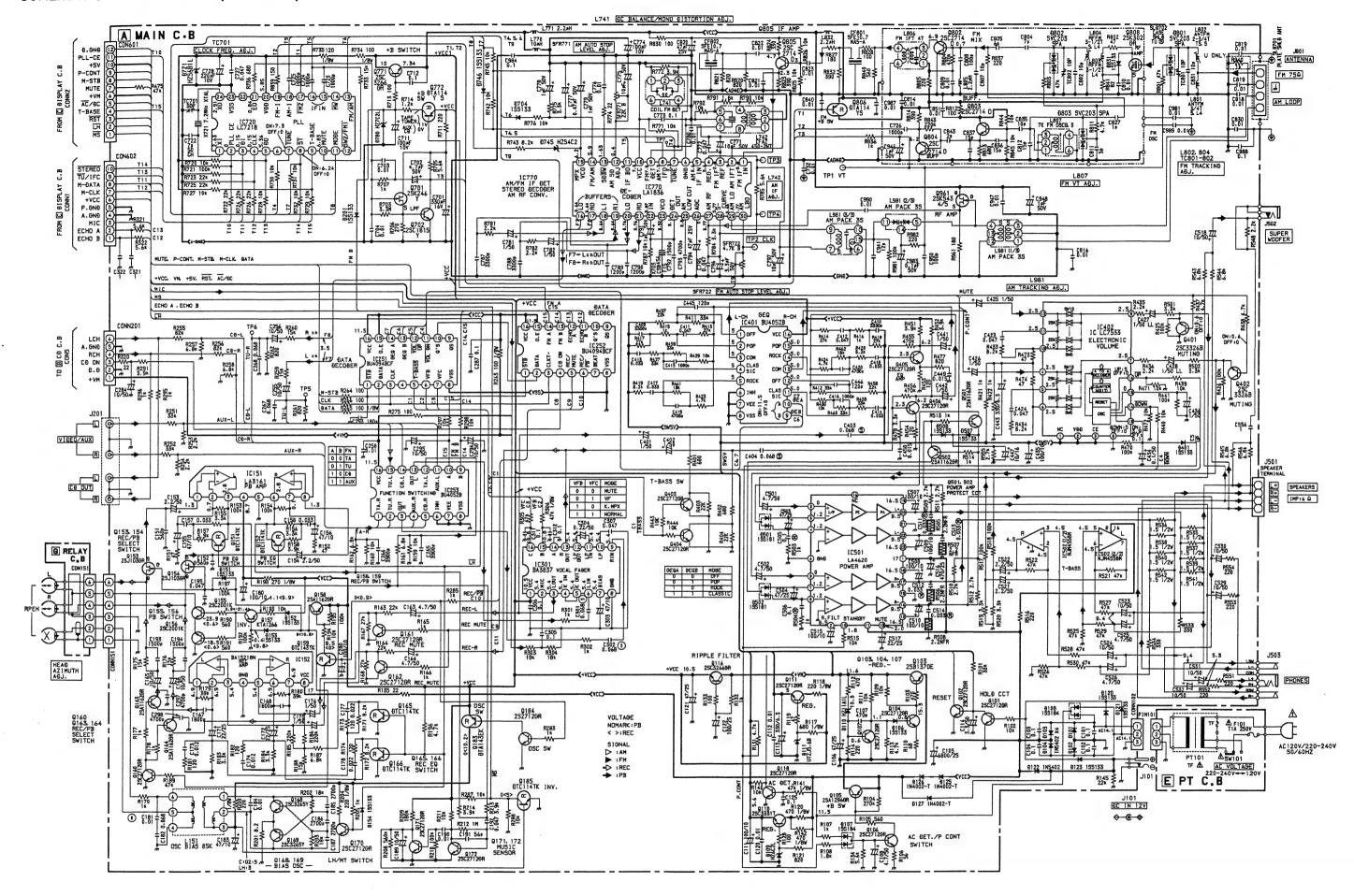


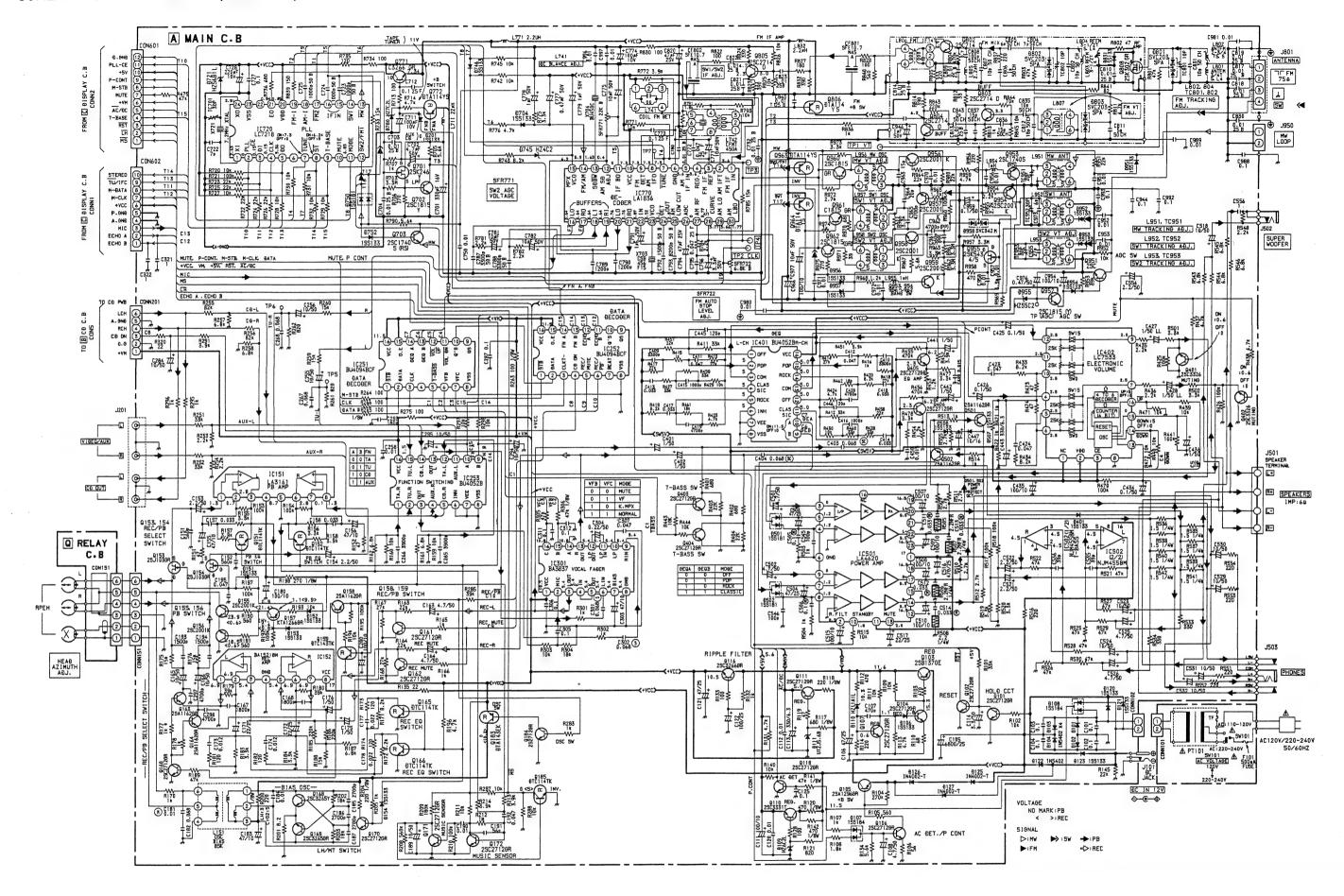
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17

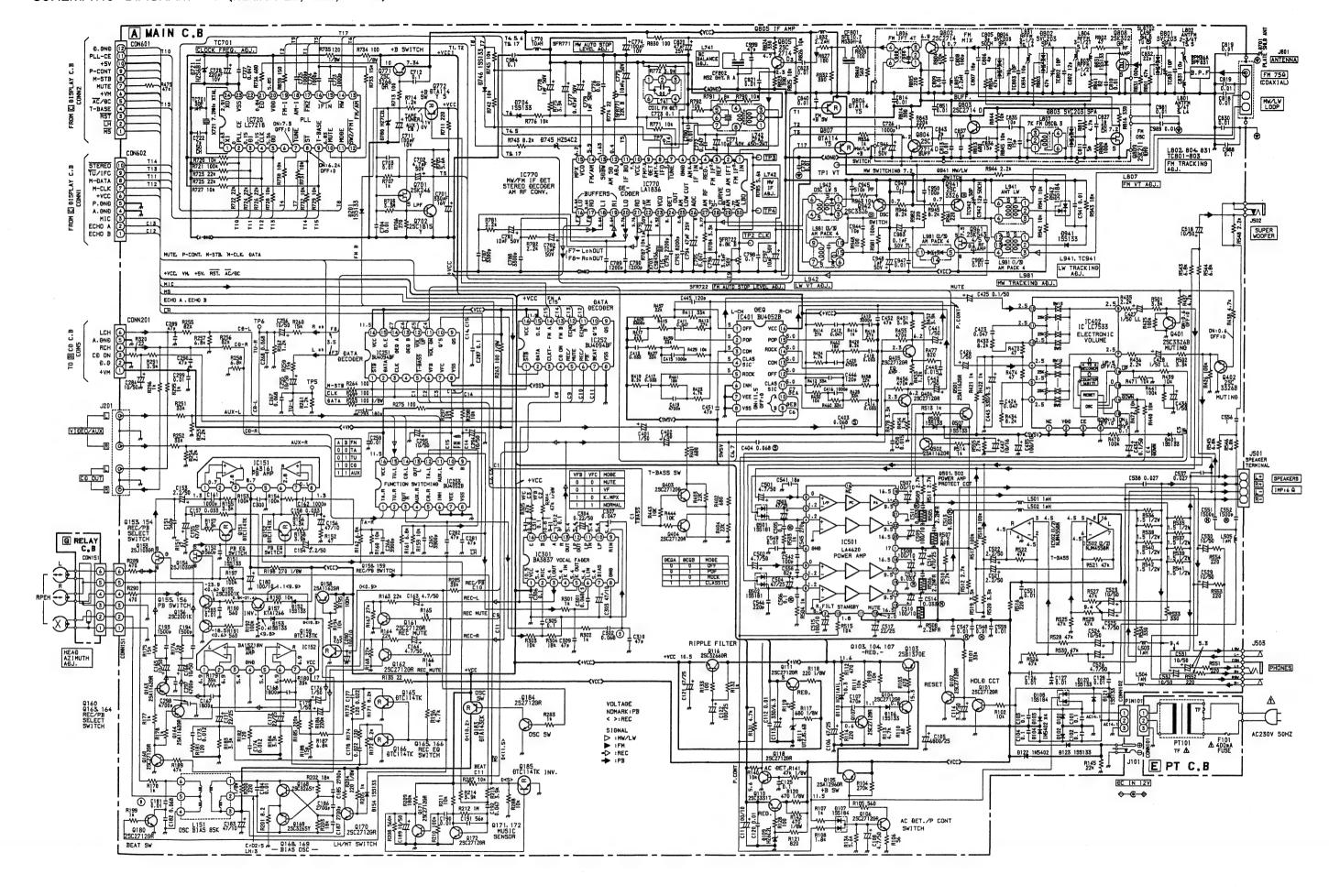


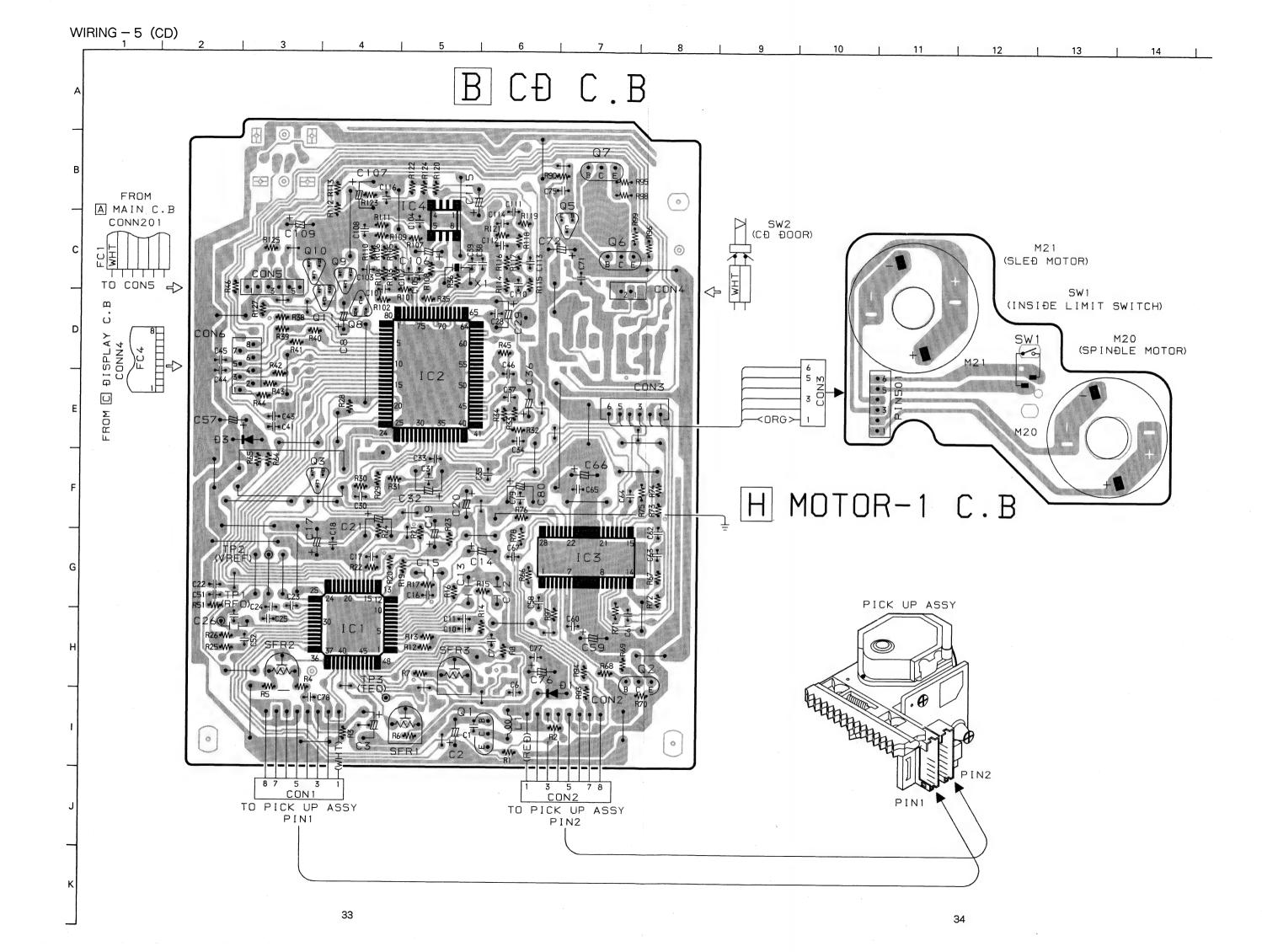


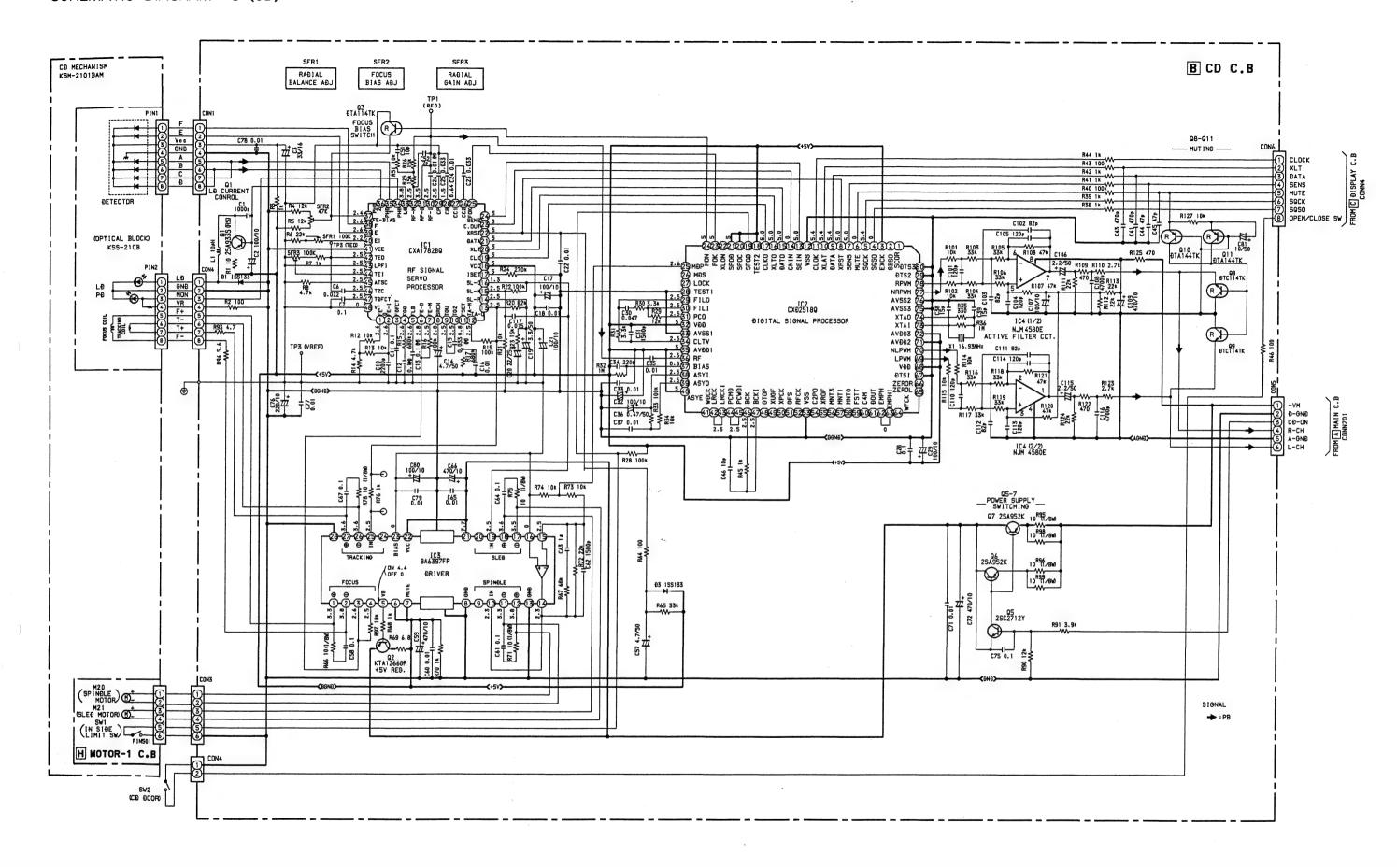


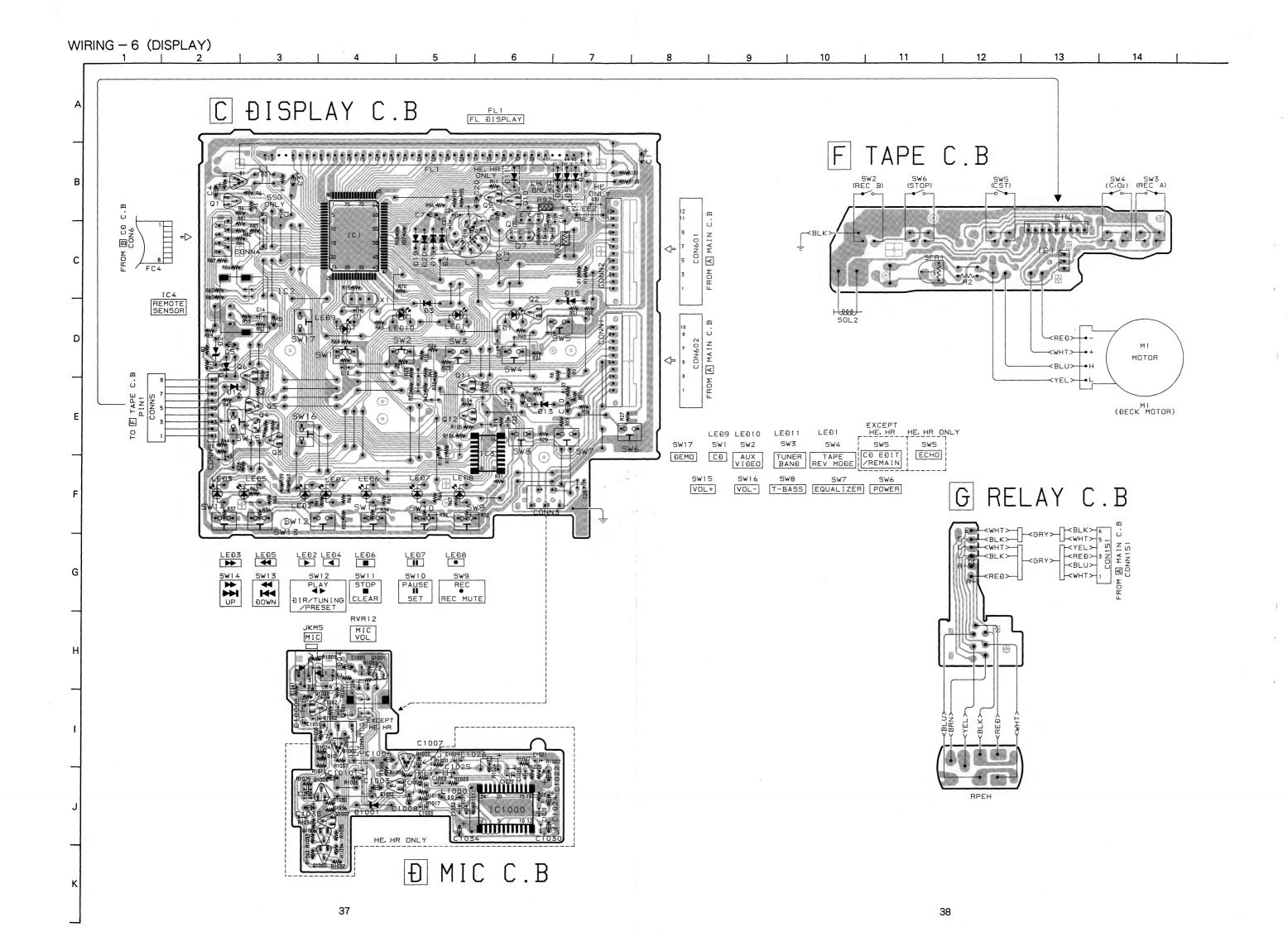


30









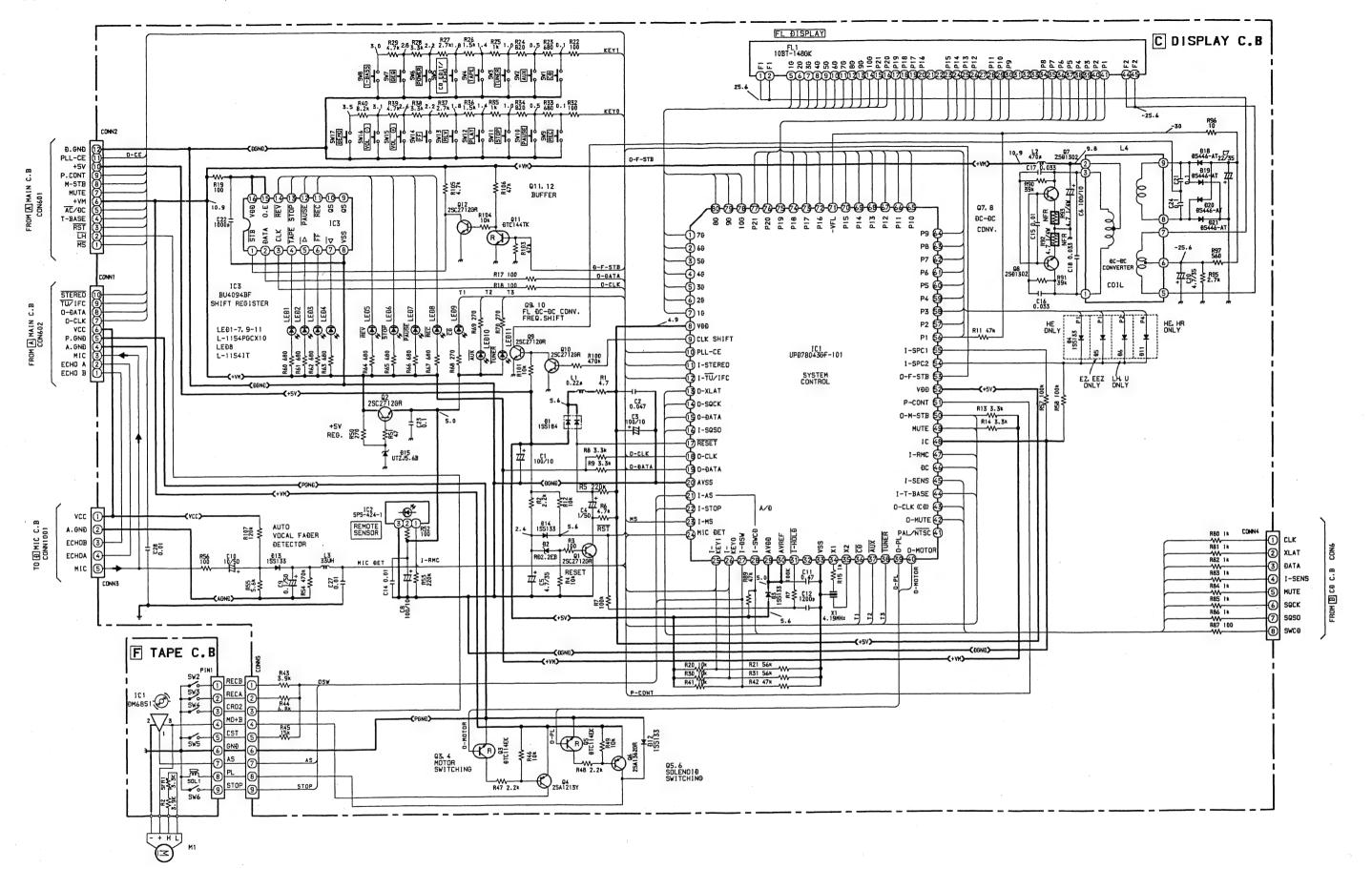
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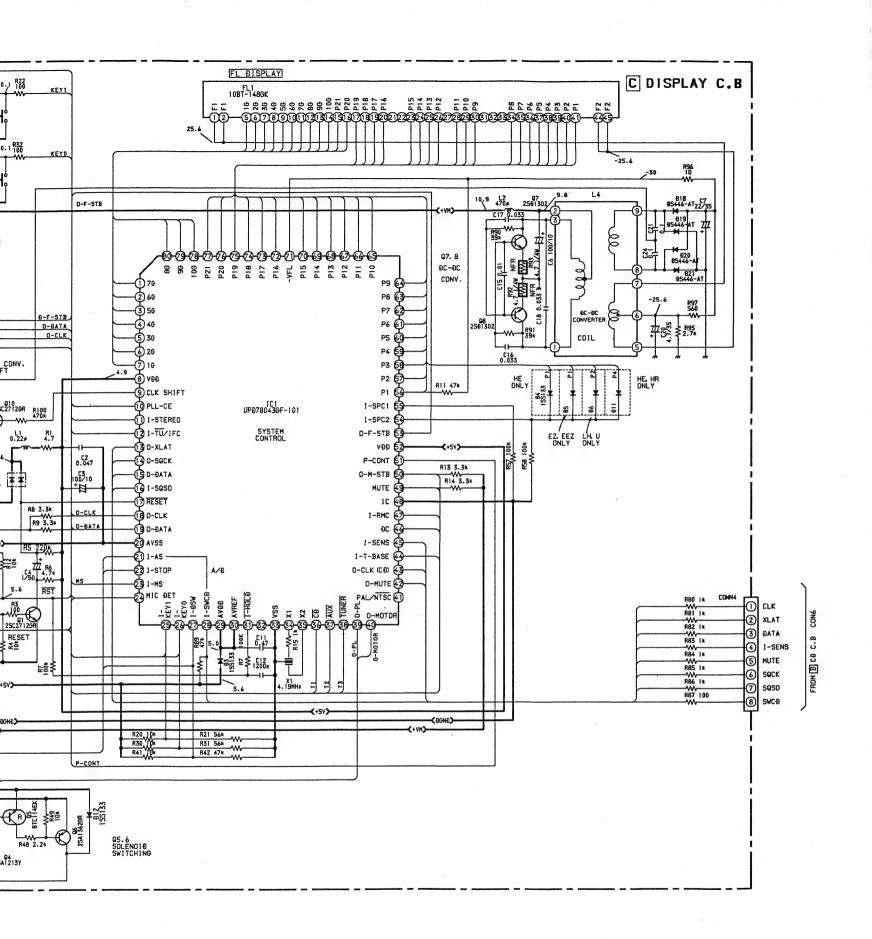
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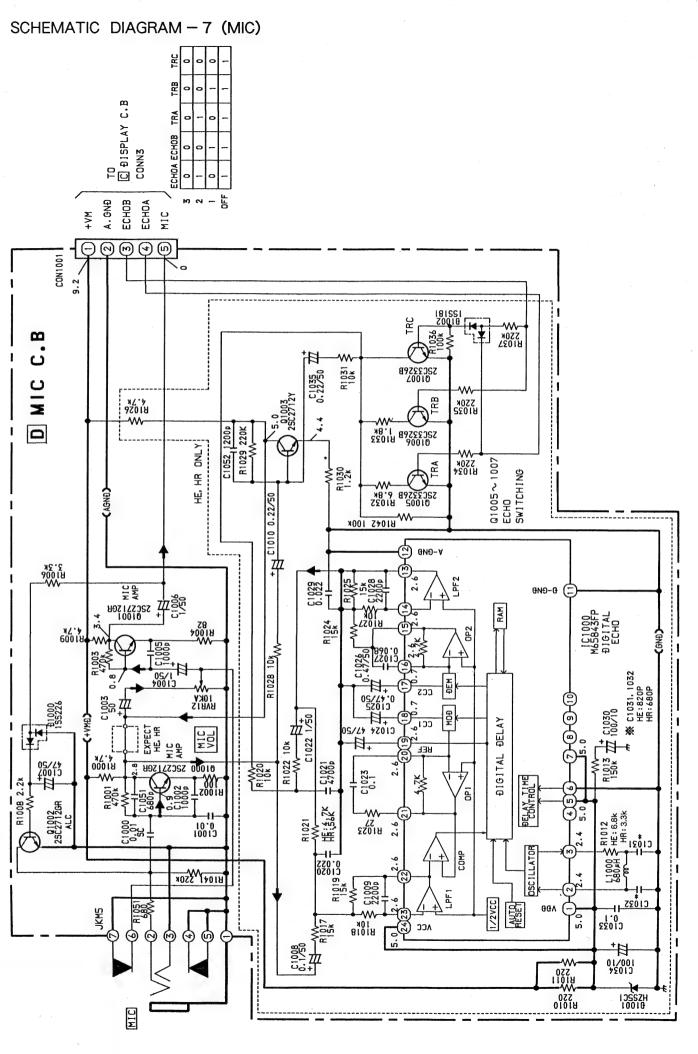
DMIC

47.7k

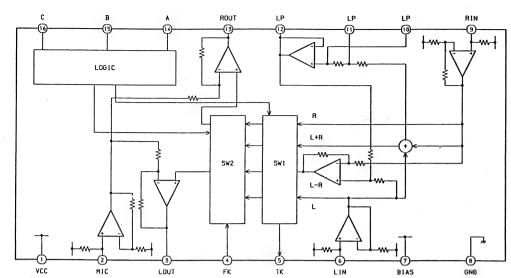
81008 2 25027126R



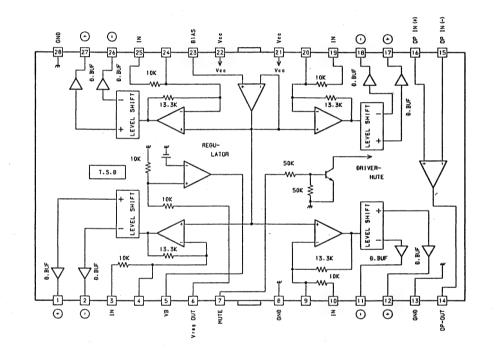




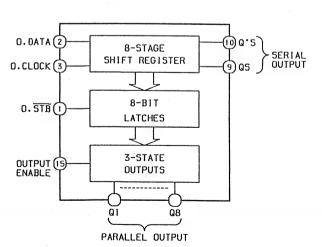
IC,BA3837



#### IC,BA6397



#### IC,BU4094BF/BCF



Q1:0.00LBY ON Q5:0.PLAY Q2:0.00LBY C Q6:0.PB2 Q3:0.EXT.REC Q7:0.LE0

Q8:0.RMT

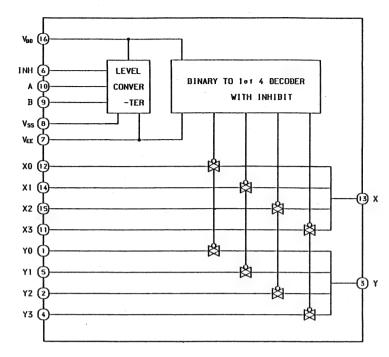
Q4:0.INT.REC

#### TRUTH TABLE

CLOCK	OUTPUT	STROBE	ĐẠTA	PARALLEL	OUTPUTS	SERIAL	OUTPUTS	
CLUCK	ENABLE	JINOBE	UNIA	Q1	Qn	QS	0.2	
<u> </u>	L	Х	х	Z	Z	Q7	NO CHG.	
<u> Ŧ</u>	L	х	х	Z	Z	NO CHG.	QS	
<u>.</u> F	Н	L	×	NO CHG.	NO CHG.	Q7	NO CHG.	
	Н	Н	L	L	Qn-1	Q7	NO CHG.	
F	Н	Н	Н	Н	Qn-1	Q7	NO CHG.	
Ł	Н	×	х	NO CHG.	NO CHG.	NO CHG.	QS	
Z = HIGH IMPEDANCE								

x = DON'T CARE

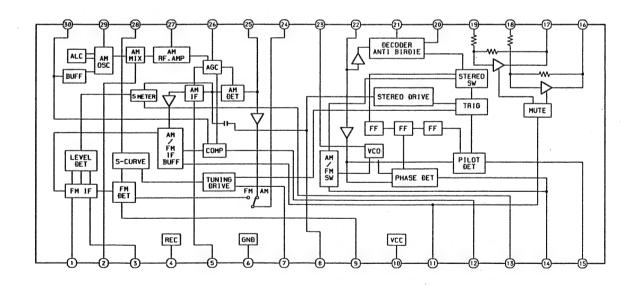
#### IC,BU4052B



	INHIBIT	A	В	ON SWITCH
	L	L	L	X0.Y0
	L	н	L	X1.Y1 ^
	L	L	н	X2, Y2
	L	н	н	X3. Y3
	Н	×	×	NONE

X=Don't Care

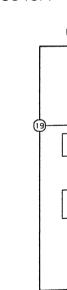
## IC,LA1836



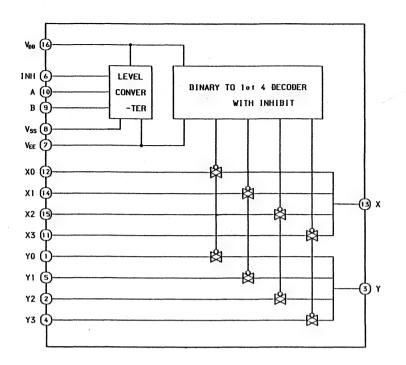
IC,LC7218



IC,M65843FP



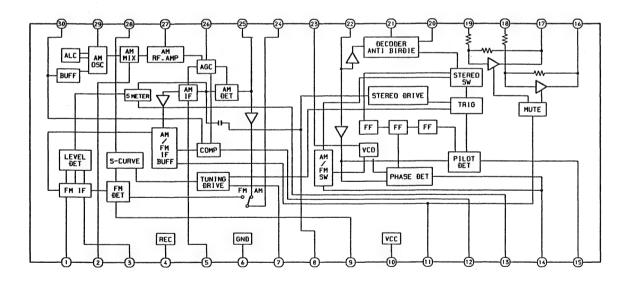
#### IC,BU4052B



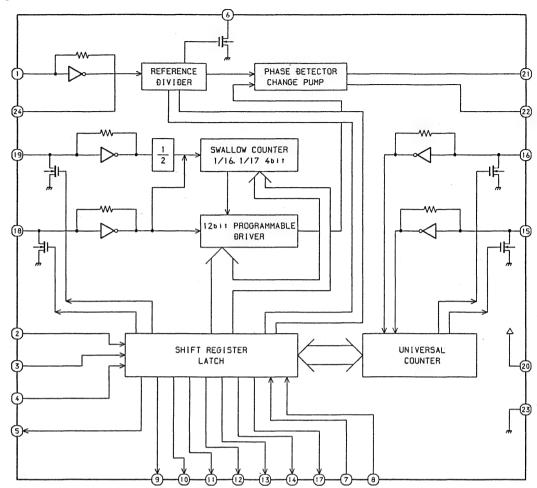
INHIBIT	Α	В	ON SWITCH
L	L	L	X0.Y0
L	н	L	X1.Y1 ^
L	L	н	X2, Y2
L	н	н	X3. Y3
н	×	×	NONE

X=Bon't Care

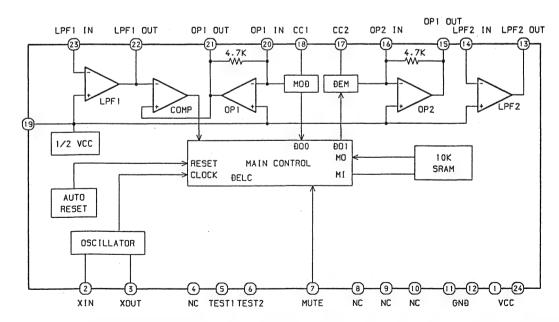
### IC,LA1836



### IC,LC7218



#### IC,M65843FP



## IC DESCRIPTION

# IC, μPD78043GF

Pin No.	Pin Name	I/O	Description
1~7	7G~1G	0	FL display digit output.
8	VDD	_	Power supply.
9	CLK SHIFT	0	CLK SHIFT output for Tuner.
10	PLL-CE	0	Chip enable output for tuner PLL IC.
11	I-STEREO	I	Tuner MONO/ST LED input.
12	I-TU/IFC	I	Tuner IFC input.
13	O-XLAT	0	Latch output for DSP IC.
14	O-SQCK	0	SQSO (DSP IC) read-out clock output.
15	O-DATA	0	Serial data output for DSP IC.
16	I-SQSO	I	Sub Q 80-bit serial data input.
17	RESET	I	Reset input. Reset at L.
18	O-CLK	0	Serial data clock output for shift register IC PLL IC.
19	O-DATA	0	Serial data output for shift register IC PLL IC.
20	AVSS	_	GND.
21	I-AS	I	DECK reel table rotation detect pulse input.
22	I-STOP	I	DECK STOP status detect switch input.
23	I-MS	I	Music sensor signal input
24	MIC DET	I	Mic signal detect.
25	I-KEY1	I	Key input.
26	I-KEY0	I	Key input.
27	I-DSW	I	DECK detect switch input (CST, RECA, RECB).
28	I-SWCD	I	CD lid OPEN/CLOSE detect SW signal input.
29	AVDD	_	A/D converter analog power supply.
30	AVREF	I	A/D converter reference voltage input.
31	I-HOLD	I	CPU hold signal input. Hold mode at L.
32	XT2	_	Sub clock generator.
33	VSS	_	Connected to GND.
34	X1		4.19 MHz oscillation circuit.
35	X2	_	4.17 WHZ oscillation chedit.
36	CD		
37	ĀUX	0	Function LED driver output.
38	TUNER		
39	O-PL	0	DECK plunger output. ON at H.
40	O-MOTOR	0	DECK motor output. ON at H.
41	PAL/NTSC	0	PAL/NTSC select output.
42	O-MUTE	0	MUTE signal for DSP IC. Muted at H.
43	O-CLK (CD)	0	Serial data transfer clock output for DSP IC.
44	I-T-BASE	I	Time base input for clock (8 Hz).
45	I-SENS	I	SENS data input from DSP IC.
46	DC	I	DC detect.
47	I-RMC	I	Remote control signal input.

Pin No.	Pin Name	I/O	Description
48	IC		Connected to GND.
49	MUTE	0	Mute output for tuner.
50	O-M-STB	0	Shift register IC strobe signal.
51	P-CONT	0	POWER AMP control signal. POWER AMP is on at L.
52	VDD	_	Power supply.
53	O-F-STB	0	Shift register IC strobe signal.
54	I-SPC2	I	Times are and DDE VE matrix data input
55	I-SPC1	I	Tuner area code, BBE, VF matrix data input.
56~70	P1~P15	0	FL plate driver.
71	-VFL	_	Power for the FL display.
72~77	P16~P21	0	FL plate driver.
78~80	10G∼8G	0	FL display digit output.

## IC,CXD2518Q

Pin No.	Pin Name	1/0	Description	
1	SCOR	0	1H when the subcode sync SO or S1 is detected.	
2	SBSO	0	SUB P~₩ serial output.	
3	EXCK	I	Clock input for SBSO read out.	
4	SQSO	0	SUBQ 80-bit serial output.	
5	SQCK	I	Clock input for SQSO read out.	
6	MUTE	I	H to mute. L to cancel.	
7	SENS	0	SENS signal output to CPU.	
8	XRST	I	System reset. L to reset.	
9	DATA	I	Serial data input from CPU.	
1 0	XLAT	I	Latch input from CPU. Latching serial data at fall down.	
1 1	CLOK	I	Clock input from CPU to transfer serial data.	
1 2	VSS	-	GND.	
1 3	SEIN	I	SENS input from SSP.	
1 4	CNIN	I	Numbers of track jump are counted and input.	
1 5	DATO	0	Serial data output to SSP.	
1 6	XLTO	0	Serial data latched output to SSP. Latched at fall down edge.	
1 7	CLKO	0	Clock input from SSP to transfer serial data.	
1 8	TEST2	I	TEST.	
19~21	SPOB~D	I	Input from INSIDE LIMIT switch.	
2 2	XLON	0	Mute control output.	
2 3	FOK	I	Focus OK input pin. Used for SENS output and servo auto sequencer.	
2 4	MON	0	Spindle motor ON/OFF control output.	
2 5	MDP	0	Spindle motor servo control output.	
2 6	MDS	0	Spindle motor servo control output.	
2 7	LOCK	0	GFS is sampled by $460 \text{Hz}$ . H output when GFS is H. L output when GFS is L for 8 consecutive times.	
2 8	TEST1	I	TEST.	
2 9	FILO	0	Filter output to master PLL. (slave=digital PLL)	
3 0	FILI	I	Filter input to master PLL.	
3 1	PCO	0	Charge-pump output to master PLL.	
3 2	VDD	_	Power supply input.	
3 3	AVSS1	-	GND.	
3 4	CLTV	I	VCO control voltage input to master PLL.	
3 5	AVDD1	-	Power supply input.	
3 6	RF	I	EFM signal input.	
3 7	BIAS	I	Constant current input to asymmetry correction circuit.	
3 8	ASYI	I	Comparate voltage input to asymmetry correction circuit.	
3 9	ASYO	0	EFM full swing output. (L=VSS, H=VDD)	
4 0	ASYE	I	L: asymmetry correction OFF. H: asymmetry correction ON	
4 1	WDCK	0	D/A interface, word clock (2Fs) for 48-bit slot.	
4 2	LRCK	0	D/A interface, LR clock (Fs) for 48-bit slot.	

Pin No.	Pin Name	1/0	Description	
4 3	LRCKI	I	LR clock input to DAC. (48-bit slot)	
4 4	PCMD	0	D/A interface, serial data. (2's complement, MSB first)	
4 5	P C M D I	I	Audio data input to DAC. (48-bit slot)	
4 6	вск	0	D/A interface, bit clock.	
47	BCKI	I	Bit clock input to DAC. (48-bit slot)	
4 8	GTOP	0	GTOP output.	
4 9	XUGF	0	XUFG output.	
5 0	XPCK	0	XPLCK output.	
5 1	GFS	0	GFS output.	
5 2	RFCK	0	RFCK output.	
5 3	VSS	_	GND.	
5 4	C 2 P O	0	C2PO output.	
5 5	XROF	0	XRAOF output.	
5 6	MNT3	0	MNT3 output.	
5 7	MNT1	0	MNT1 output.	
5 8	MNTO	0	MNTO output.	
5 9	FSTT	0	Pins-73 and -74 divided-by 2/3 output.	
6 0	C 4 M	0	4. 2336MHz output.	
6 1	DOUT	0	Digital Out connector output signal.	
6 2	ЕМРН	0	H when the playback disc has emphasis. L when it does not.	
6 3	ЕМРНІ	I	DAC emphasis ON/OFF. H when ON. L when OFF	
6 4	WFCK	0	WFCK (WRITE FRAME CLOCK) output.	
6 5	ZEROL	0	No sound data detection output. H (L-ch) when no sound data is detected.	
6 6	ZEROR	0	No sound data detection output. H (R-ch) when no sound data is detected.	
6 7	DTSI	I	TEST for DAC.	
6 8	VDD	_	Power supply input.	
6 9	LPWM	0	L-ch PWM output. (normal polarity)	
7 0	NLPWM	0	L-ch PWM output. (reversed polarity)	
7 1	AVDD2	_	Power supply input to L-ch PWM driver.	
7 2	AVDD3	_	Power supply input to X'tal.	
7 3	XTAI	I	X'tal input to 33.8688MHz oscillator circuit.	
7 4	XTAO	0	33.8688MHz X'tal oscillator circuit output.	
75	AVSS3	_	Power supply input to X'tal.	
7 6	AVSS2	_	Power supply input to PWM driver.	
7 7	NRPWM	0	R-ch PWM output. (reversed phase)	
7 8	RPWM	0	R-ch PWM output. (normal phase)	
79	DTS2	I	TEST-2 for DAC.	
8 0	DTS3	I	TEST-3 for DAC.	

### IC,CXA1782BQ

in No.	Pin Name	1/0	Description			
1	FEO	0	Focus error amplifier output pin. This pin is connected to the FZC comparator input internally.			
2	FEI	I	Focus error input pin.			
3	FDFCT	I	Capacitor connection pin for time constant used when there is defect.			
4	FGD	I	Corrects the focus servo high frequency gain.			
5	FLB	I	This is a pin where the time constant is externally connected to raise the low frequency gain of the focus servo.			
6	FEO	0	Focus drive output.			
7	FEM	I	Focus amplifier inverted input pin.			
8	SRCH	I	This is a pin where the time constant is externally connected to generate the focus search waveform.			
9	TGU	I	This is a pin where the selection time constant is externally connected to set the tracking servo the high frequency gain.			
1 0	T G 2	I	This is a pin where the selection time constant is externally connected to set the tracking high frequency gain.			
1 1	FSET	I	Pin for setting peak of the phase compensator of the focus tracking.			
1 2	TAM	I	Tracking amplifier inverted input pin.			
1 3	TAO	0	Tracking drive output.			
1 4	SLP	I	Sled amplifier non-inverted input pin.			
1 5	SLM	I	Sled amplifier inverted input pin.			
1 6	SLO	0	Sled drive output.			
1 7	ISET	I	The current which determines height of the focus search, track jump and sleekick is input.			
1 8	VCC	_	+ 5 V power supply pin.			
1 9	CLK	I	Serial data transfer clock input from CPU.			
2 0	XLT	I	Latch input from CPU.			
2 1	DATA	I	Serial data input from CPU.			
2 2	XRST	I	Reset input pin. Reset at L.			
2 3	COUT	0	Signal output to count the number of tracks.			
2 4	SENS	0	FZC, DFCT, TZC, Gain or BAL is output depending on the command from CPU.			
2 5	FOK	0	Output pin of the focus OK comparator.			
2 6	C C 2	0	Input pin where the DEFECT bottom hold output is capacitance coupled.			
2 7	C C 1	I	DEFECT bottom hold output pin.			
2 8	СВ	I	This is a pin where the DEFECT bottom hold capacitor is connected.			
2 9	CP	I	This is a pin where the MIRR hold capacitor is connected and MIRR comparator non-inverted signal is input.			
3 0	RFI	I	Input pin where the RF summing amplifier output is capacitance coupled.			
3 1	RFO	0	RF summing amplifier output pin.			
3 2	RFM	I	RF summing amplifier inverted input pin. Gain of RF amplifier is determined by the resistor connected between RFO and this pin.			
3 3	LD	0	APC amplifier output pin.			
3 4	PHD	I	APC amplifier input pin.			

Pin No.	Pin Name	1/0	Description	
35~36	PHD1~2	I	RF I-V amplifier inverted input pin. These pins are connected to the A+C and B+D pins of the optical pickup.	
3 7	FE-BIAS	1	Bias adjustment pin of the non-inverted side of the focus error amplifier.	
38~39	F~E	I	F and E IV amplifier non-inverted input pins. These pins are connected to the F and E of the optical pickup.	
4 0	ΕI	-	Gain adjustment pin of the I-V amplifier E.	
4 1	VEE	_	GND connection pin	
4 2	TEO	0	Tracking error amplifier output pin. E-F signal is output.	
4 3	LPFI	I	BAL adjustment comparator input pin.	
4 4	TEI	I	Tracking error input pin.	
4 5	ATSC	I	Window comparator input pin for detecting ATSC.	
4 6	TZC	I	Tracking zero-cross comparator input pin.	
47	TDFCT	I	Capacitor connection pin for the time constant used when there is defect.	
4 8	VC	0	DC voltage output pin of VREF. (VDD/2)	

#### TRANSISTOR ILLUSTRATION



ECB

2SA933
2SA952
2SA1296
2SC1815
2SC2001
2SC3266
2SC3331
2SD1302
KTA1266

BE

2SA1162 DTA114YK 2SA1362 DTA143EK 2SC2712 DTA144TK 2SC2714 DTC114EK 2SC3265 DTC114TK 2SC3326 DTC143TK DTA114TK DTC144TK



2SA1213



2SB1370

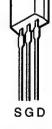


ECB 2SC1740S DTA114YS

2SK211 2SK302



2SK543



2SJ103 2SK246

#### **TEST MODE**

- 1. How to Activate CD Test Mode
- 1) Switch on the CD cover switch. (Should remain ON during CD test mode).
- 2) Insert the AC plug while pressing the function CD button. All FL display tubes will light up, and the test mode will be activated.
- 2. How to Cancel CD Test Mode Either one of the following operations will cancel the CD test
- Press the function button. Press the power switch button.
- Disconnect the AC plug Turn off the CD cover switch.

#### 3. CD Test Mode Functions

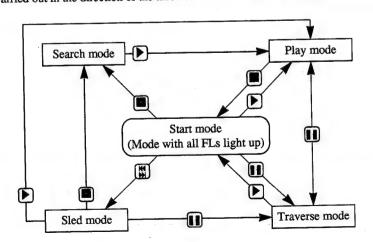
When test mode is activated, the following mode functions from No.1 to No.5 can be used by pressing the operation keys.

Mode/No.	Operation	FL display	Operation	Contents
Start mode	Test mode activation	All FL light up	Laser diode illuminated under normal circumstances  (CD block power supply ON)	Displays the machine mode that it is a test mode. All FL displays light up  Laser current measurement (Across R1 resistor)
Search mode	key	[]	Continual focus search * NOTE 1 (The pickup lens repeats the full-swing up-down motion.)  * Avoid continual searches that last for more than 10 minutes.	FOCUS SERVO Check focus search waveform Check focus error waveform FOK/FZC are not monitored in the search mode
Play mode No.3	▶ key		<ul> <li>Normal playback</li> <li>Focus search is continued if TOC cannot be read * NOTE 1</li> </ul>	FOCUS SERVO/TRACKING SERVO CLV SERVO/SLED SERVO Check FOK/FZC
Traverse mode No.4	<b>II</b> key		During normal disc playback     Press once; tracking servo OFF     Press twice; tracking servo ON     * NOTE 2*	TRACKING SERVO ON/OFF Tracking balance (traverse) adjustmen
Sled mode	₩ key	All FL light up	Pickup moves to the outermost track Pickup moves to the innermost track * NOTE 3  (During playback, machine operates normally.)	SLED SERVO Check SLED mechanism operation

- \* NOTE 1: There are cases when the tracking servo cannot be locked owing to the protection circuit being operated when heat builds up in the driver IC if the focus search is operated continually for more than 10 minutes. In these cases the power supply should be switched off for 10 minutes until heat has been reduced and then re-started.
- \* NOTE 2: Do not press the or >> keys when the machine is in the 📲 status is active. If they are pressed, playback will not be possible after the 🚺 status has been canceled. If the 🙀 or 📦 keys are pressed in the 🚺 status, press the 🖬 key and return to the start mode (No.1).
- \* NOTE 3: When pressing the or we keys, take care to avoid damage to the gears. Because the sled motor is activated when the or keys are pressed, even when the pick-up is at the outermost or innermost track.

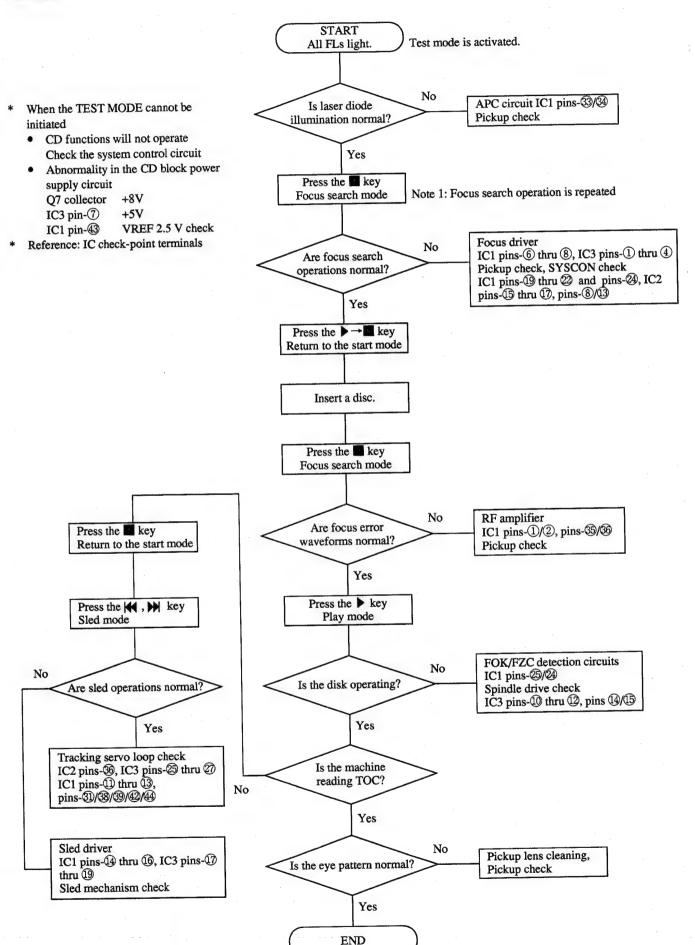
#### 4. Operation Outline

The operation of each mode is carried out in the direction of the arrows from the start mode as indicated in the following illustration.



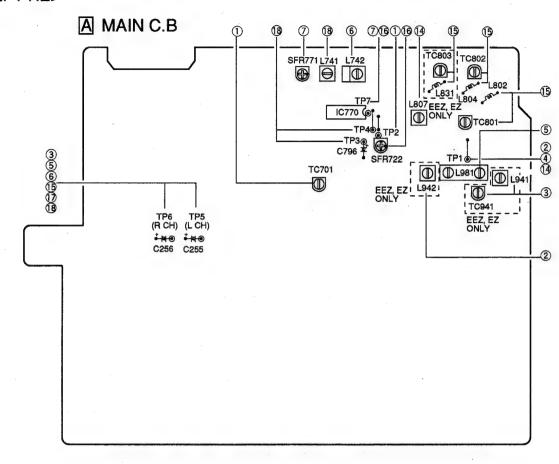
#### CD Trouble-shooting

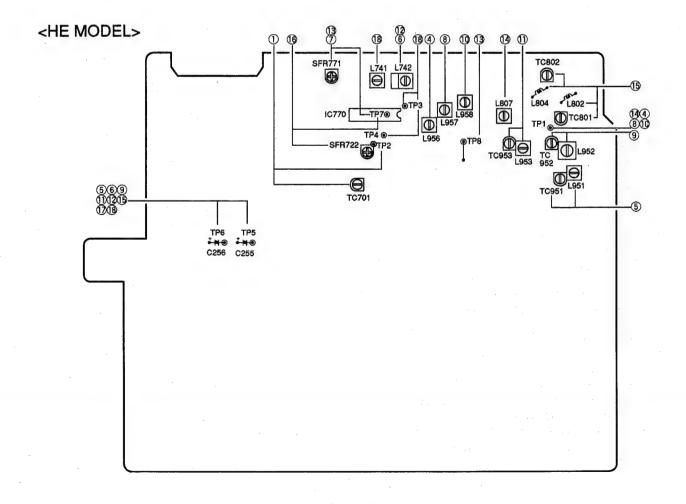
Flow Chart



#### **ELECTRICAL ADJUSTMENT**

### <EXCEPT HE>





i.		requency Adjustment	/.		Stop Level Adjustment
	_	· Test point: TP2		Settings:	
		· Adjustment location: TC701			· Adjustment location: SFR771
	Method:	Set to MW 1602kHz (EEZ, EZ), 1710kHz (HE,			· Input level: 50dB
		HR, LH, U) and adjust TC701 so that the test		Method:	Set MW 999kHz (EEZ, EZ) or 1000kHz (LH,
		point becomes 2052kHz±0.01kHz (EEZ, EZ),		2.10111001	HR, U), and adjust SFR771 so that TP7 is about
		•			
		$2160 \pm 0.01$ kHz (HE, HR, LH, U).			0.01 V. Then decrease the input level by 2 dB
					and check that TP7 is about 7.0 V.
2.	LW VT A	djustment (EEZ, EZ ONLY)			
		· Test point: TP1	8.	SW1 VT	Adjustment (HE ONLY)
		· Adjustment location: L942			· Test point: TP1 (VT)
	Method:	Set to LW 144kHz and adjust L942 so that the		Bettings.	· Adjustment location: L957
	Method.			3.6.4.4	
		test point becomes $1.5 \pm 0.05$ V.		Method:	Set to SW1 7.3MHz and adjust L957 so that the
					test point becomes $7.5 \pm 0.05$ V.
3.	LW Track	ing Adjustment (EEZ, EZ ONLY)			
	Settings:	· Test point: TP5 (L CH)	9.	SW1 Trac	king adjustment (HE ONLY)
	U	TP6 (R CH)			· Test point: TP5 (L CH)
		· Adjustment location: L941 ······144kHz		oomings.	TP6 (R CH)
					· · ·
		TC941 · · · · · · · 290kHz			· Adjustment location: L952 · · · · · · · 3.2MHz
	Method:	Turn TC941 to its mechanical center. Adjust			TC952 · · · · · · · 7.3MHz
		TC941 so that the signal level at 144 kHz is		Method:	Set up TC952 to center before adjustment. The
		maximum. Adjust then TC941 so that the signal			level at 3.2MHz is adjusted to MAX by L952.
		level at 290 kHz is maximum. Repeat			Then the level at 7.3MHz is done by TC952.
		•			Then the level at 7.5MHz is done by 1C932.
		adjustment at both 144 kHz and 290 kHz in turn			
		until the signal level at both frequencies is	10.		Adjustment (HE ONLY)
		maximum.		Settings:	· Test point: TP1 (VT)
					· Adjustment location: L958
1	MWVTA	Adjustment (HE ONLY)		Method:	Set to SW2 21.85MHz and adjust L958 so that
٦.				Memoa.	•
		· Test point: TP1 (VT)			the test point becomes $8.0V \pm 0.05V$ .
		· Adjustment location: L956			
	Method:	Set to MW 1710kHz and adjust L956 so that the	11.		king Adjustment (HE ONLY)
		test point becomes $8.5 \pm 0.05$ V.		Settings:	· Test point: TP5 (L CH)
					TP6 (R CH)
4	MW VT C	theck (EXCEPT HE)			· Adjustment location: L953 · · · · · · · 9.5MHz
т.		· · · · · · · · · · · · · · · · · · ·			TC953 ·····21.85MHz
	_	· Test point: TP1		3 5 .1 1	
	Method:	Set to MW 1602kHz (EEZ, EZ), 1710kHz (LH,		Method:	Set up TC953 to center before adjustment. The
		HR, U) and check VT voltage at the test point			level at 9.5MHz is adjusted to MAX by L953.
		are within $6.3 \pm 1.0 \text{V}$ (EEZ, EZ) $6.5 \pm 1.0 \text{V}$ (LH,			Then the level at 21.85MHz is done by TC953.
		HR, U).			
		,,	12	SW1/SW2	2 IF Adjustment (HE ONLY)
-	MW Two ol	sing Adjustment (HE ONLY)	12.		· Test point: TP5 (L CH)
٥.				seungs.	
	Settings:	· Test point: TP5 (L CH)			TP6 (R CH)
		TP6 (R CH)			L742 · · · · · 450kHz
		· Adjustment location: L951 · · · · · · · · 600kHz			
		TC951 · · · · · · · 1400kHz	13.	SW2 AG0	C Voltage Adjustment (HE ONLY)
	Method:	Set up TC951 to center before adjustment. The	~~		· Test point: TP8 (AGC)
	Memou.			octangs.	
		level at 600kHz is adjusted to MAX by L951.			· Adjustment location: SFR771
		Then the level at 1400kHz is done by TC951.			• SSG ATT level: $60dB$ (EMF $\mu$ )
				Method:	Set to SW2 21.85MHz and adjust SFR771 so
5.	MW Track	ring Adjustment (EXCEPT HE)			that the test point becomes $1.6V \pm 0.02V$ .
		· Test point: TP5 (L CH)			· ·
	2000	TP6 (R CH)	14	. FM VT A	diustment
			14.		· Test point: TP1 (VT)
		· Adjustment location: L981		Settings:	
	Method:	Set to MW 999kHz (EEZ, EZ), 1000kHz (LH,			· Adjustment location: L807
		HR, U) and adjust L981 that the test point		Method:	Set to FM 87.5MHz and adjust L807 so that the
		becomes maximum.			test point becomes $1.7V \pm 0.05V$ .
6	MW IF Ad	linstment	15	FM Track	ing Adjustment
٥.			13.		
	seungs:	· Test point: TP5 (L CH)		semings:	· Test point: TP5 (L CH)
		TP6 (R CH)			TP6 (R CH)
		L742 · · · · · · · 450kHz			L802, 804 · · · · · · · 87.5MHz
					L831 (EEZ, EZ)
					TC801, 802 · · · · · · · · 108MHz
					TC803 (EEZ, EZ)
					1000 (DIE, DE)

#### 16. FM AUTO STOP LEVEL Adjustment

Settings: • Test point: TP7

· Adjustment location: SFR722

· Input level: 23dB

Set FM 98MHz, and adjust SFR722 so that TP7 is about 0.01V. Then decrease the input level by 2dB and check that TP7 is 7.0V.

17. FM SEPARATION Check

Settings: • Test point: TP5 (L CH) TP6 (R CH)

· Input level: 54dB

Set FM 98.0MHz and check that the separation Method:

between TP5 and TP6 is 25dB or more.

18. DC Balance Adjustment

Settings: • Test point: TP3, 4 (DC BALANCE) TP5, 6 (MONO DISTORTION)

S/N ratio:

· SSG 98.0MHz, 54dB (modulation OFF)

· Adjustment location: L741

Set to FM 98.0MHz and adjust L741 so that the

voltage between TP3 and TP4 becomes  $0\pm$ 

0.04V.

After that the distortion becomes less than 1.3%.

#### PRACTICAL SERVICE FIGURE

<FM SECTION>

HE, HR, LH, U Models

4±6dB (at 87.5MHz) IHF Sensitivity:

 $2 \pm 6 dB$  (at 98.0, 108.0MHz) (THD 3%) More than 54dB (at 98MHz) S/N ratio:

Distortion:

Less than 1.3% (at 98MHz)

(Input 54dB) Intermediate frequency:

10.7MHz  $23 \pm 10$ dB (at 98MHz) Auto stop level: More than 25dB (at 1kHz)

Stereo separation:

EEZ, EZ Models

 $7 \pm 6 dB$  (at 87.5MHz) IHF Sensitivity:  $4\pm6$ dB (at 98.0, 108.0MHz) (THD 3%) More than 54dB (at 98MHz)

Distortion:

Less than 1.3% (at 98MHz)

(Input 54dB)

Intermediate frequency:

10.7MHz

Auto stop level: Stereo separation:  $23 \pm 10$ dB (at 98MHz) More than 25dB (at 1kHz)

<MW SECTION>

HE, EEZ, EZ Models

Sensitivity: (S/N 20dB)

48~62dB (at 603kHz)

 $53 \pm 6 dB$  (at 999, 1404kHz) More than 36dB (at 1000kHz) S/N ratio: Less than 1.5% (at 999kHz) Distortion:

Intermediate frequency: 450kHz

Auto stop level:

 $50 \pm 10 dB (at 999 kHz)$ 

HR, LH, U Models

Sensitivity: (S/N 20dB) 48~62dB (at 600kHz)  $53 \pm 6$ dB (at 1000, 1400kHz)

S/N ratio: Distortion:

More than 36dB (at 1000kHz) Less than 1.5% (at 1000kHz)

450kHz Intermediate frequency:

Auto stop level:

50±10dB (at 1000kHz)

<SW1 SECTION> (HE ONLY)

Sensitivity:

29~37dB (at 3.2MHz) 26~34dB (at 5.0MHz)

(S/N 20dB)

24~32dB (at 7.3MHz) More than 40dB (at 5.0MHz)

S/N ratio: Distortion:

Less than 1.5% (at 5.0MHz)

<SW2 SECTION> (HE ONLY)

Sensitivity:

45 ± 5dB (at 9.5MHz) 40 ± 5dB (at 15MHz)

(S/N 20dB)

 $31 \pm 5$ dB (at 21.85MHz)

S/N ratio:

More than 36dB (at 15MHz) Less than 1.5% (at 15MHz)

Distortion:

<LW SECTION> (EEZ, EZ ONLY)

Sensitivity:

66±5dB (at 144kHz)  $63 \pm 5$ dB (at 198kHz)

(S/N 20dB)

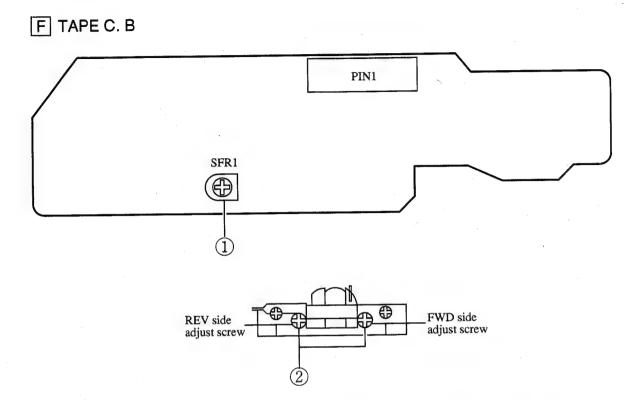
62 ± 5dB (at 290kHz)

S/N ratio:

More than 32dB (at 198kHz)

Distortion:

Less than 1.5% (at 198kHz)



#### 1. Tape speed Check

Settings: • Test tape: TTA-100 (TTA-111S)

· Test point: SP OUT (MAIN C. B J501)

· Adjustment location: SFR1

Play back the test tape and check for 3000± Method:

40Hz.

2. Head Azimuth Adjustment

Settings: • Test tape: TTA-310 (TTA-317E)

· Test point: SP OUT (MAIN C. B J501)

· Adjustment location: Head azimuth adjustment

Method:

Play back the 10kHz signal of the test tape and adjust screw so that the output becomes

Next, perform on each FWD PLAY mode and REV PLAY mode.

3. PB Frequency Response Check

Settings: • Test tape: TTA-310 (TTA-317E)

· Test point: SP OUT (MAIN C. B J501)

Method: Play back 63 Hz, 315 Hz and 10 kHz on the test tape and check that 63 Hz is -10 to -4 dB in comparison with 315 Hz and 10 kHz is -5 to + 2 dB in comparison with 315 Hz.

4. REC/PB frequency Response Check

Settings: Test tape: TTA-602 (TTA-119K)

Method:

· Test point: SP OUT (MAIN C. B J501) Input a -22.2 dB signal to the AUX terminal. Record 100 Hz and 10 kHz on the test tape and play back them. Check that the difference between the record level and playback level is -9 to -3 dB at 100 Hz and -6 to +2 dB at 10 kHz.

#### PRACTICAL SERVICE FIGURE

<TAPE RECORDER SECTION>

Distortion:

Less than 2.0% (PB, AC) Less than 3.0% (REC/PB, AC)

S/N ratio:

More than 40dB (PB, AC) More than 38dB (REC/PB, AC)

Noise:

Less than 100mV (PB, AC, MAX)

Less than 130mV

(REC/PB, AC, MAX) More than 60dB  $3000Hz\pm40Hz$ 

Erasing ratio: Tape speed: Wow&flutter:

Less than 0.35% (JIS, RMS)

Take up torque: FF torque:

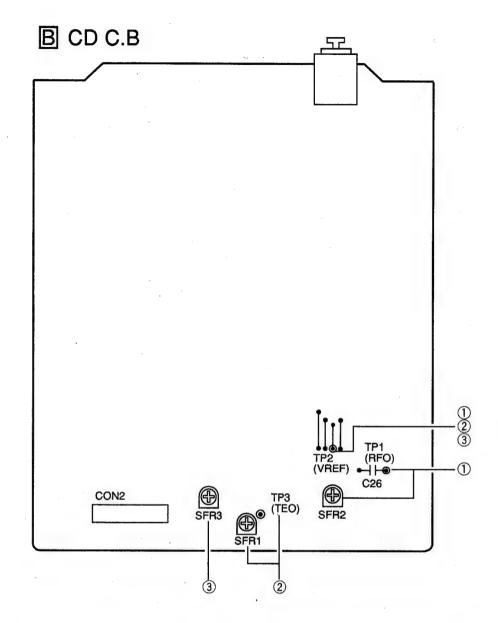
Test tape:

30~55g-cm (FWD/REVERSE) 75~180g-cm

REW torque: Back tension:  $75 \sim 180 \text{g-cm}$  $2\sim7$ g-cm TTA-602 (TTA-119K)

TTA-610 (TTA-119H) TTA-310 (TTA-317E)

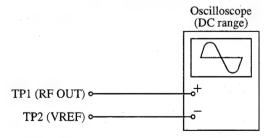
TTA-100 (TTA-111S)



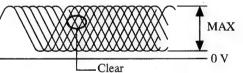
Note: • Connect a probe (10: 1) of the oscilloscope or the frequency counter to a test point:

#### 1) Focus Bias Adjustment

Make the focus bias adjustment when replacing and repairing the optical block.

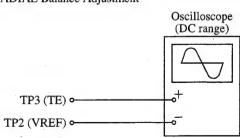


- Connect an oscilloscope to test points TP1 (RF OUT) and TP2 (VREF).
- 2. Turn on the power switch.
- 3. Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 4. Adjust SFR2 so that the level of RF wave to be maximum and clear.



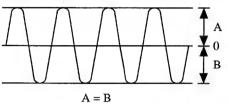
VOLT/DIV : 50mV TIME/DIV :  $0.5 \mu$  S

② RADIAL Balance Adjustment



- Connect an oscilloscope to test points TP3 (TE) and TP2 (VREF).
- 2. Turn on the power switch.

- Insert test disc TCD-782 (YEDS-18) and press the PLAY
   (▶) button.
- 4. Connected the intermediate point of SFR3 to TP2 (VREF).
- 5. Adjust SFR1 so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.



VOLT/DIV : 20mV TIME/DIV : 1mS

#### 3 RADIAL Gain Adjustment

A servo analyzer is necessary in order to perform this adjustment exactly. However, this gain has a margin, so even if it is slightly off, there is no problem. Therfore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when 2-axis device operates. However, as these gains are reciprocated, the adjustment is performed so that both gains are satisfied.

- When gain is raised, the noise increases when the 2-axis device operates.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.

When the gain adjustment is not satisfied, the symptoms below appear.

Symptoms	(Focus)	Tracking
<ul> <li>The time until music starts becomes longer for STOP→</li> <li>▶ PLAY or automatic selection (◄, ▶) buttons pressed.) (Normally takes about 2 seconds.)</li> </ul>	low	low or high
<ul> <li>Music does not start and disc continues to rotate for STOP</li> <li>→ ▶ PLAY or automatic selection (◄, ▶) buttons pressed.)</li> </ul>	. <u> </u>	low
<ul> <li>Disc stops to rotate shortly after STOP→►PLAY.</li> </ul>	low or high	
<ul> <li>Sound is interrupted during PLAY. Or time counter display stops.</li> </ul>	_	low
<ul> <li>More noises during the 2-axis device operation.</li> </ul>	high	high

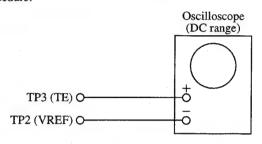
The following is simple adjustment method.

#### - Simple adjustment -

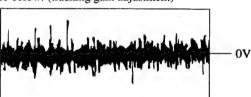
Note: Since the adjustment cannot be performed exactly, remember the positions of the controls before the adjustment and compare the adjusted position and the original position.

If the difference is a little, return the control to the original position.

#### Procedure:



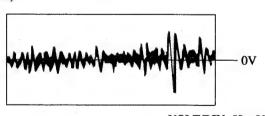
- 1. Keep the set horizontal. (If the set is not kept horizontally, this adjustment cannot be performed due to the gravity against the 2-axis device.)
- Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 3. Connect an oscilloscope to TP3 (TE) of the main board.
- 4. Adjust SFR3 so that the waveform appears as shown in the figure below. (tracking gain adjustment)



VOLT/DIV: 50 mV TIME/DIV: 1 mS

#### Incorrect example

Low tracking gain (The fundamental wave appears as compared with the waveform adjusted.)



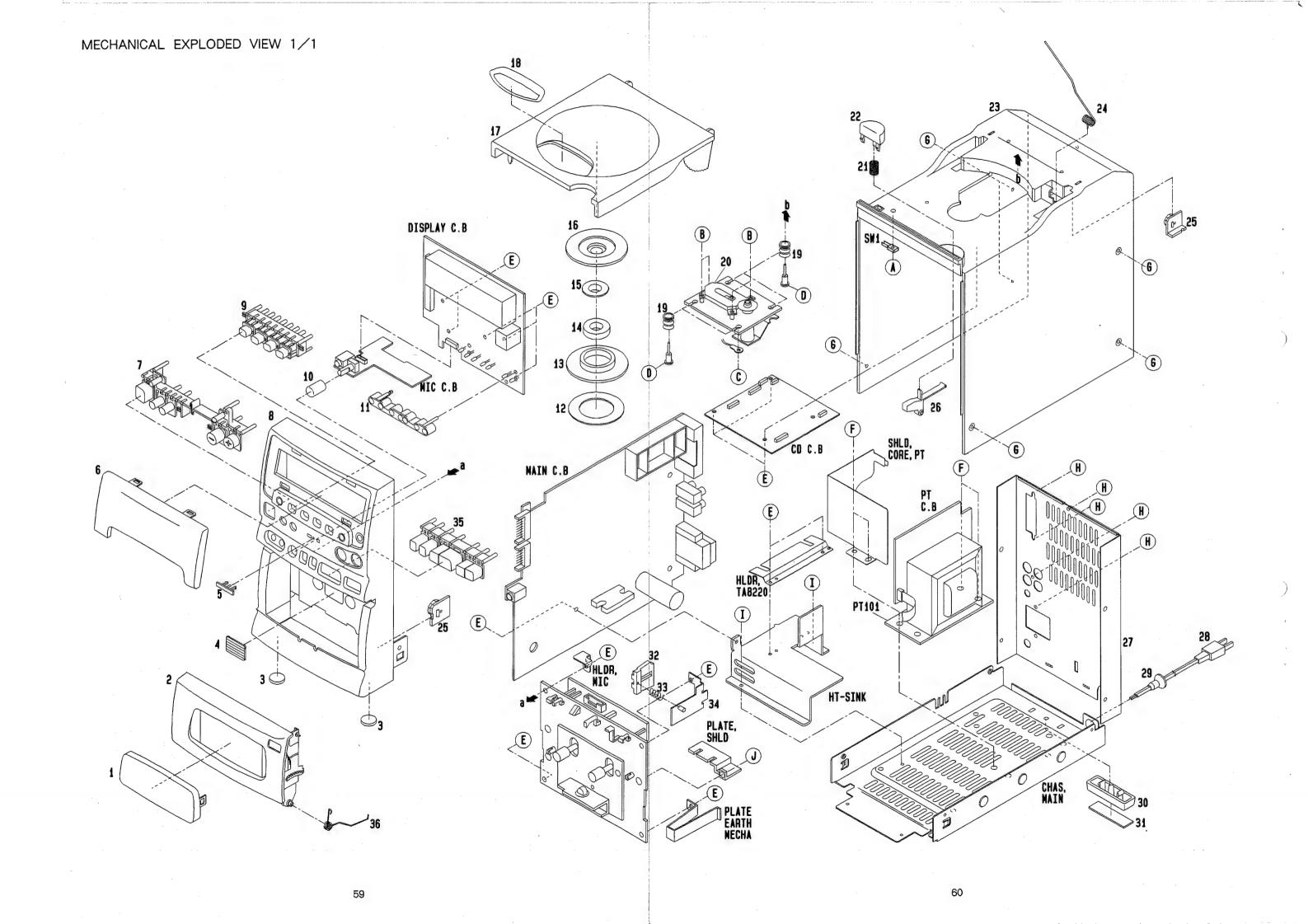
VOLT/DIV: 50 mV TIME/DIV: 1 mS

#### High tracking gain

(The frequency of the fundamental wave is higher than that in low gain.)

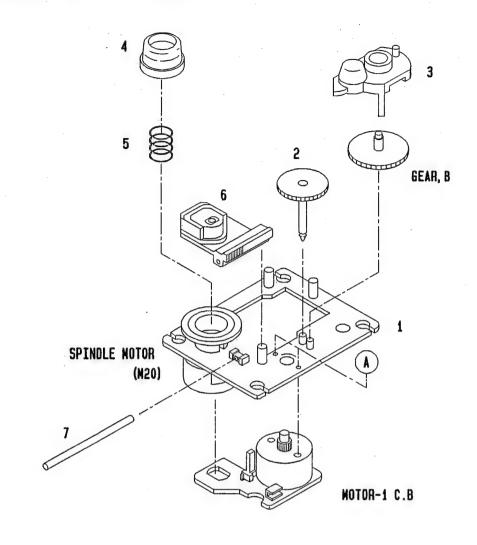


VOLT/DIV: 50 mV TIME/DIV: 1 mS



DESCRIPTION で判断できない物は "REFERENCE NAME LIST" を参照してください。 If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

II can t	understand for	Description please minary refer to 1	CDI DICERTOR	111111111111111111111111111111111111111	
REF. NO	PART NO.	NO.	REF. NO	PART NO.	שעת DESCRIPTION NO.
ż	84-CE5-004-019 84-CE5-002-019 84-CE5-043-019 84-CE5-049-019 84-CE5-072-019	WINDOW, CASS BOX, CASS[B] BOX, CASS[G] BOX, CASS[L] BOX, CASS[ST]  CUSH, FOOT A LBL, CASS-COMPT BADGE AIWA 30N WINDOW, DISP BTN, POWER	23 23 24 25 26	84-CE5-050-019 84-CE5-062-119 84-CE5-214-019 87-063-164-019 84-CE5-202-019	CHAS, CD[L] (EEZ, EZ) CHAS, CD[ST] (HR) SPR-T, CD OIL-DMPR 80 LEVER, EJECT CD
<b>4</b> 5	84-CE5-215-019 81-532-080-019 82-NE6-067-019 84-CE5-008-019 84-CE5-007-019	CUSH, FOOT A LBL, CASS-COMPT BADGE AIWA 30N WINDOW, DISP BTN, POWER	27 27 27 27	84-CE5-018-019 84-CE5-020-019	PANEL, REAR[B] 〈AP1Z〉 PANEL, REAR[B] 〈EEZ〉 PANEL, REAR[B] 〈EZ〉[G] 〈EEZ, EZ〉 [L] 〈EEZ, EZ〉 PANEL, REAR[B] 〈HE〉
8 8 8 8	84-CE5-001-019 84-CE5-030-019 84-CE5-023-019 84-CE5-028-019 84-CE5-042-019	CAB, FR LB] (LN, EEZ, EZ/ CAB, FR HEJ[B] (HE, HR) CAB, FR U[B] (U) CAB, FR AP1Z[B] (AP1Z) CAB, FR FETZNIG] (FFZ FZ)	27 27 27 28 28	87-050-075-019	PANEL, REAR[B] (LH) PANEL, REAR[B] (U) AC CORD ASSY, E (EXCEPT [B]LH, U) AC CORD ASSY H[B] (LH)
8 8 9 10 11	84-CE5-048-019 84-CE5-071-019 84-CE5-025-119 84-CE5-013-019 84-CE5-204-019	CAB, FR EEZLN[L] (EEZ, EZ) CAB, FR[ST] (HR) BTN, FUNC ASSY KNOB, MIC GUIDE, CONT-LED	28 29 29 29 30	87-050-053-019 87-085-184-010 87-085-185-010 87-085-189-010 84-CE5-219-019	AC CORD ASSY, U-2[B] (U) BUSHING, AC CORD[B] (LH) BUSHING, AC CORD (EXCEPT [B]LH, U) BUSHING, CORD U[B] (U) HLDR, FOOT B
12 13 14 15 16	89-CD6-220-119 89-CD6-206-019 87-036-216-019 81-590-224-019 81-CD2-225-019	CUSHION-CHUCK CHUCK, CD B MAGNET PLATE MAGNET CHUCK, CD A	31 32 33 34 35	84-CE5-220-019 82-NF5-229-019 82-NF5-228-019 82-NF5-227-019 84-CE5-010-019	CUSH, FOOT B PLATE, LOCK SPR-C, LOCK HLDR, LOCK 2N BTN, CONT
17 17 17 17 18	84-CE5-045-019	CAB, FR EEZLN[L] (EEZ, EZ) CAB, FR[ST] (HR) BTN, FUNC ASSY KNOB, MIC GUIDE, CONT-LED  CUSHION-CHUCK CHUCK, CD B MAGNET PLATE MAGNET CHUCK, CD A  BOX, CD[B] BOX, CD EEZGN[G] BOX, CD EEZLN[L] BOX, CD EEZLN[L] BOX, CD EEZLN[L]	36 A B C D	84-CE5-213-019 87-751-035-419 87-651-034-419 87-067-520-019 81-CD5-204-019	SPR-T, CASS VT2+2-6W/O SLOT VT1+2-5 VFTT +2-6 (S TIGHT) SCREW CD
19 20 21 22 22	80-CD3-214-019 81-CD2-028-119 84-CE5-212-019 84-CE5-012-019 84-CE5-046-019	CUSH CD A PANEL, CD SPR-C, CD BTN, EJECT CD[B] BTN, EJECT CD[G]	E F G H I	87-067-703-019 87-067-585-019 87-593-095-419 87-067-761-019 87-067-584-019	BVT2+3-10 (W/O SLOT) BVTT +4-6 QIT +3-8 BLK BVT2+3-10 BLK BVT2+3-6 W/O SLOT
22 22 23 23 23	84-CE5-052-019 84-CE5-064-019 84-CE5-005-019 84-CE5-024-019 84-CE5-044-019	BTN, EJECT CD[L] BTN, EJECT CD[ST] CHAS, CD[B] (LH, HE, HR, EEZ, EZ, AP1Z) CHAS, CD[B] (U)	J	87-571-032-419	



### CD MECHANISM PARTS LIST 1/1

REF. NO PART NO.

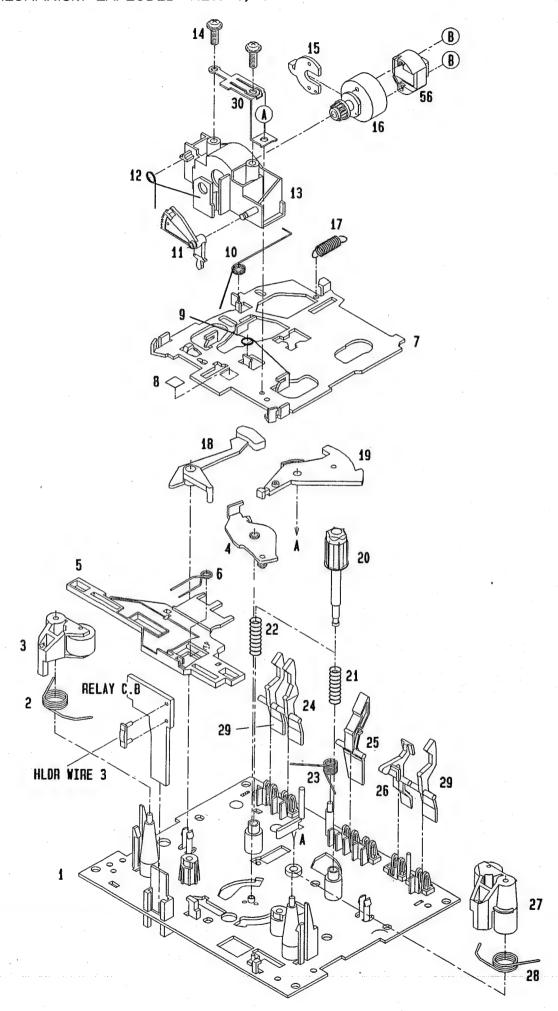
カンリ NO. DESCRIPTION

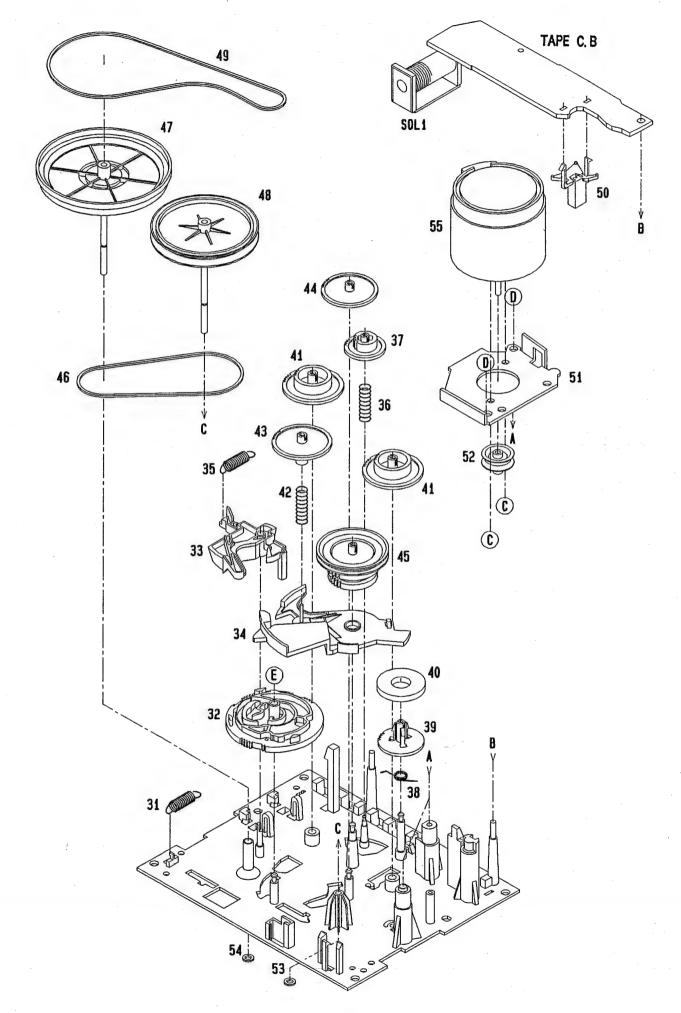
T. T CHASS ASSY W/MOTOR GEAR(A) COVER RING CENTER SPRING COMPRESSION

REF. NO PART NO.

DESCRIPTION

6 98-848-137-210 OPTICAL PICK UP KSS-210B SHAFT SLED V+2-3

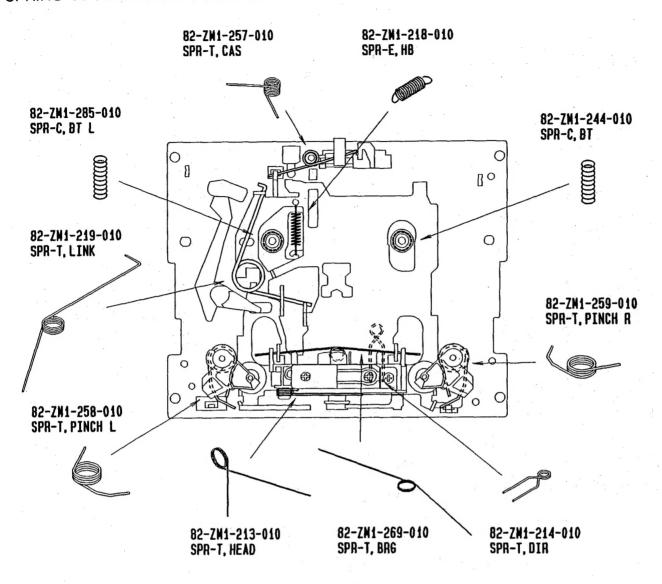


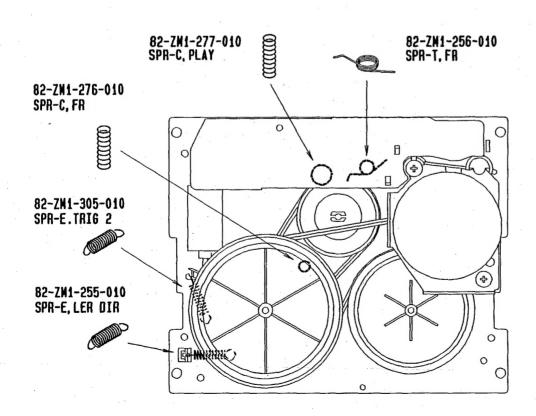


## TAPE MECHANISM PARTS LIST 1/1

REF	. NO	PART NO.	カンリ DES NO.	CRIPTION	• .	REF. NO	PART NO.	ועל NO.	DESCRIPTION
	1 2 3 4 5	82-ZM1-299-010 82-ZM1-258-010 82-ZM1-248-110 82-ZM1-295-210 82-ZM1-266-010	CHAS ASSY, R SPR-T, PINCH I LVR ASSY, PINC PLATE ASSY, L LVR, DIR	HL		37 38	82-ZM1-277-010 82-ZM1-223-010 82-ZM1-256-110 82-ZM1-220-110 80-ZM6-217-010	GEAR, PLA SPR-T, FR GEAR, IDL	y Er
	6 7 8 9 10	82-ZM1-214-010 82-ZM1-206-210 87-078-014-010 82-ZM1-269-010 82-ZM1-219-010	SPR-T, DIR CHAS, HEAD SH, 5-5-0. 05 SPR-T, BRG SPR-T, LINK			43	82-ZM1-216-210 82-ZM1-276-010 82-ZM1-225-010 82-ZM1-226-010 82-ZM1-228-210	SPR-C, FR GEAR, FR GEAR, REW	
	11 12 13 14 15	82-ZM1-210-010 82-ZM1-213-010 82-ZM1-207-010 82-ZM1-283-310 82-ZM1-209-010	GEAR, H T SPR-T, HEAD GUIDE, TAPE S-SCREW, AZIMI PLATE, HEAD	ITΗ		47	82-ZM1-261-110 82-ZM1-237-210 82-ZM1-234-110 82-ZM1-260-010 82-ZM1-245-210	FLY-WHL FLY-WHL BELT, MAI	ASSY, L
	16 17 18 19 20	82-ZM1-208-010 82-ZM1-218-010 82-ZM1-263-110 82-ZM1-222-010 82-ZM1-217-110	HLDR, HEAD SPR-E, HB LVR, EJECT LVR, PLAY REEL TABLE			52 53	82-ZM1-246-010 82-ZM1-247-010 82-ZM1-288-010 80-ZM6-243-010 87-045-348-010	PULLEY, M SH, 1. 63- SH, 1. 75-	
	21 22 23 24 25	82-ZM1-244-110 82-ZM1-285-110 82-ZM1-257-010 82-ZM1-241-110 82-ZM1-242-010	SPR-C, BT SPR-C, BT L SPR-T, CAS LVR, MC LVR, CAS			A B	87-046-399-010 87-585-036-410 80-ZM6-207-010 87-251-070-410 87-741-073-410	UIT+2-8 V+1. 6-7 U+2. 6-3	YK56R-BS409 (RPH)
	26 27 28 29 30	82-ZM1-243-010 82-ZM1-253-110 82-ZM1-259-010 82-ZM1-240-110 82-ZM1-298-010	LVR, STOP LVR ASSY, PINC SPR-T, PINCH I LVR, REC SPR-P, EARTH			E	87-067-932-010	PW, 2.15-	6. 8-0. 5 SLT
	31 32 33 34 35	82-ZM1-255-110 82-ZM1-221-110 82-ZM1-227-110 82-ZM1-224-110 82-ZM1-305-010	SPR-E, LVR DIE GEAR, CAM LVR, TRIG LVR, FR SPR-E, TRIG 2	•					

#### SPRING APPLICATION POSITION





#### ■ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST"を参照してください。 If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF NO.	PART NO.	カンリ NO.	DESCRIPTION DESCRIPTION	ON
1 1 1 1 2	84-CL5-902-21 84-CL5-901-01 84-CL5-905-21 84-CL5-906-01 87-006-240-01	9 IB, E 9 IB, E 9 IB, U 9 IB, AP1	(EGI) <eez,ez> (ESC)<lh,he,hf (ESF)<eez,ez,u I<ap1z> OP ANT CON(KO)</ap1z></eez,ez,u </lh,he,hf </eez,ez>	l>
2 3 3 4 5	87-006-268-01 87-043-115-01 87-043-106-01 87-043-095-01 87-009-724-01	B ANT, FE 9 FM, WIF 9 ANTEN	OP ANT NC (UN) EEDER FM <lh, he<br="">RE ANT (Z)<eez VA WIRE<he> ADPTR IR39<lh< td=""><td>HR, U&gt; Z, EZ, AP1Z&gt;</td></lh<></he></eez </lh,>	HR, U> Z, EZ, AP1Z>
5 6	87-009-725-01 84-CL4-950-01		ADPTR 1R40 <he, -L60E</he, 	HR>

### ■SPEAKER LIST (SX-SL50)

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST"を参照してください。 If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF NO.		ンリ DESCRIPTION NO.
1 1 1 1	84-CP6-001-019 84-CP6-019-019 84-CP6-021-019 84-CP6-023-019 84-CP6-027-019	PANEL FR, R[B] < EXCEPT AP1Z> PANEL FR, R[G] < EEZ, EZ> PANEL FR, R[L] < EEZ, EZ> PANEL FR, R[B] < AP1Z> PANEL FR, R[B] < AP1Z> PANEL FR, R[ST] < HR>
2 2 2 2 2	84-CP6-002-019 84-CP6-020-019 84-CP6-022-019 84-CP6-024-019 84-CP6-028-019	PANEL FR, L[B] < EXCEPT AP1Z> PANEL FR, R[G] < EEZ, EZ> PANEL FR, R[L] < EEZ, EZ> PANEL FR, R[B] < AP1Z> PANEL FR, R[ST] < HR>
3 4 5 6	84-CP6-009-019 84-CP6-602-019	GRILL FRAME ASSY R GRILL FRAME ASSY L SPEAKER SPEAKER CORD

#### REFERENCE NAME LIST

#### **ELECTRICAL SECTION**

DESCRIPTION

REFERENCE NAME

ANT C-C-CAP C-CAP TN C-COIL ANTENNAS CHIP CAP, CHIP CAP, CHIP TANTALUM COIL, CHIP

C-DI C-DIODE C-FET C-FOTR C-JACK DIODE, CHIP DIODE, CHIP FET, CHIP FILTER, CHIP JACK, CHIP

C-SFR C-SLIDE SW C-SW C-TR C-VR C-ZENER

C-RES

LED, CHIP RES, CHIP SFR, CHIP SLIDE SWITCH, CHIP SWITCH, CHIP

CAP, CER CAP, E CAP, M/F CAP, TC CAP, TC-U CAP, TN VOLUME, CHIP ZENER, CHIP CAP, CERA-SOL CAP, ELECT

CERA FIL

CF
DL
E/CAP
FILT
FLTR

CAP, FILM
CAP, CERA-SOL
CAP, CERA-SOL SS
CAP, TANTALUM
FILTER, CERAMIC
FILTER, CERAMIC
DELAY LINE
CAP, ELECT
FILTER

FILTER

FUSE RES MOT P-DIODE P-SNSR P-TR

RES, FUSE MOTOR PHOTO DIODE PHOTO SENSER PHOTO TRANSISTOR

POLY VARI PPCAP PT PTR, RES RC VARIABLE CAPACITOR CAP, PP POWER TRANSFORMER PTR, MELF REMOTE CONTROLLER

RES NF RESO SHLD SOL SPKR RES, NON-FLAMMABLE RESONATOR SHIELD SOLENOID

SW, LVR SW, RTRY SW, SL TC CAP THMS

SWITCH, LEVER SWITCH, ROTARY SWITCH, SLIDE CAP, SERA-SOL THERMISTOR

SPEAKER

TR TRIMER TUN-CAP VIB, CER VIB, XTAL TRANSISTOR CAP, TRIMMER VARIABLE CAPACITOR RESONATOR, CERAMIC RESONATOR, CRYSTAL

VR ZENER サージサプレッサ セラコン VOLUME DIODE, ZENER SERGESUPPRESSOR CAP,CERA

サービス	
番号	連絡内容
G	
G	
G	

# アイワ株式会社 AIWA CO.,LTD.

#### MECHANICAL SECTION

DESCRIPTION
ADHESHIVE
AZ
BAR-ANT
BAT
BATT

SHEET ADHESHIVE AZIMUTH BAR-ANTENNA BATTERY BATTERY

REFERENCE NAME

BRG BTN CAB CASS CHAS

BEARING BUTTON CABINET CASSETTE CHASSIS

CLR CONT CRSR CU CUSH

COLLAR CONTROL CURSOR CUSHION CUSHION

DIR DUBB FL FLY-WHL FR DIRECTION DUBBING FRONT LOADING FLYWHEEL FRONT

FUN G-CU HDL HIMERON HINGE, BAT FUNCTION G-CUSHION HANDOL CLOTH HINGE, BATTERY

HLDR HT-SINK IB IDLE IND, L-R

HOLDER
HEAT SINK
INSTRUCTION BOOKLET
IDLER
INDICATOR, L-R

KEY, CONT KEY, PRGM KNOB, SL LBL LID, BATT KEY, CONTROL KEY, PROGRAM KNOB, SLIDE LABEL LID, BATTERY

LID, CASS LVR P-SP PANEL, CONT PANEL, FR LID, CASSETTE LEVER P-SPRING PANEL, CONTROL PANEL, FRONT

PRGM PULLY, LOAD MO RBN S-SEG PROGRAM PULLY, LOAD MOTOR RIBBON SPECIAL SEGMENT

SH SHLD-SH SL SP SP-SCREW

SHEET SHIELD-SHEET SLIDE SPRING SPECIAL-SCREW

SPACER, BAT SPR SPR-P SPR-PC-PUSH T-SP SPACER, BATTERY SPRING P-SPRING P-SPRING, C-PUSH T-SPRING

TERM TRIG TUN VOL W TERMINAL TRIGGER TUNING VOLUME WASHER

WHEEL

WHL WORM-WHL ジグアーム ジグガイド ストラップ

ARM,SHAFT GUIDE,SHAFT STRAP

WORM-WHEEL

トクナット トクナッド トンジビス ビスセレート S-SCRW HINGE S-SCRW SCRW,SERRART

912162 750038

Tokyo Japan